

Data Path : Z:\VOASRV\HPCHEM1\MSVOA V\DATA\VV112219\
 Data File : VV013725.D
 Acq On : 22 Nov 2019 09:37
 Operator : SY/MD
 Sample : VSTDCCC005
 Misc : 25.0mL/MSVOA V/WATER
 ALS Vial : 2 Sample Multiplier: 1

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDCCC005

Quant Time: Nov 23 00:51:52 2019
 Quant Method : Z:\VOASRV\HPCHEM1\MSVOA_V\METHOD\SOMVTR112219WMA.M
 Quant Title : TRACE VOA SOM01.0
 QLast Update : Fri Nov 22 12:24:01 2019
 Response via : Initial Calibration

Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Difluorobenzene	5.66	114	415446	5.00	ug/L	0.00
28) Chlorobenzene-d5	8.89	117	403869	5.00	ug/L	0.00
60) 1,4-Dichlorobenzene-d4	11.29	152	221714	5.00	ug/L	0.00

System Monitoring Compounds

4) Vinyl Chloride-d3	1.32	65	127282	4.95	ug/L	0.00
Spiked Amount	5.000	Range	40 - 130	Recovery	=	99.00%
7) Chloroethane-d5	1.58	69	113913	5.22	ug/L	0.00
Spiked Amount	5.000	Range	65 - 130	Recovery	=	104.40%
11) 1,1-Dichloroethene-d2	2.13	63	230668	5.33	ug/L	0.00
Spiked Amount	5.000	Range	60 - 125	Recovery	=	106.60%
20) 2-Butanone-d5	3.94	46	315876	59.09	ug/L	-0.03
Spiked Amount	50.000	Range	40 - 130	Recovery	=	118.18%
24) Chloroform-d	4.39	84	278409	5.37	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	107.40%
26) 1,2-Dichloroethane-d4	5.07	65	134984	5.47	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	109.40%
32) Benzene-d6	5.09	84	545346	5.23	ug/L	0.00
Spiked Amount	5.000	Range	70 - 125	Recovery	=	104.60%
36) 1,2-Dichloropropane-d6	6.11	67	164894	5.31	ug/L	0.00
Spiked Amount	5.000	Range	60 - 140	Recovery	=	106.20%
41) Toluene-d8	7.35	98	527378	5.39	ug/L	0.00
Spiked Amount	5.000	Range	70 - 130	Recovery	=	107.80%
43) trans-1,3-Dichloropropene-	7.66	79	60997	5.05	ug/L	0.00
Spiked Amount	5.000	Range	55 - 130	Recovery	=	101.00%
46) 2-Hexanone-d5	8.13	63	234451	52.59	ug/L	0.00
Spiked Amount	50.000	Range	45 - 130	Recovery	=	105.18%
57) 1,1,2,2-Tetrachloroethane-	10.25	84	114082	5.30	ug/L	0.00
Spiked Amount	5.000	Range	65 - 120	Recovery	=	106.00%
64) 1,2-Dichlorobenzene-d4	11.67	152	206808	5.28	ug/L	0.00
Spiked Amount	5.000	Range	80 - 120	Recovery	=	105.60%

Target Compounds

Target Compounds	R.T.	QIon	Response	Conc	Units	Ovalue
2) Dichlorodifluoromethane	1.14	85	160239	5.791	ug/L	96
3) Chloromethane	1.25	50	137940	5.677	ug/L	99
5) Vinyl chloride	1.32	62	141130	5.686	ug/L	100
6) Bromomethane	1.53	94	102864	7.871	ug/L	100
8) Chloroethane	1.60	64	83218	5.564	ug/L	97
9) Trichlorofluoromethane	1.77	101	213937	5.551	ug/L	99
10) 1,1,2-Trichloro-1,2,2-trif	2.14	101	128475	5.610	ug/L	99
12) 1,1-Dichloroethene	2.14	96	113017	5.658	ug/L	86
13) Acetone	2.20	43	202959	54.296	ug/L #	56
14) Carbon disulfide	2.32	76	271481	5.887	ug/L	99
15) Methyl Acetate	2.46	43	48272	5.768	ug/L	96
16) Methylene chloride	2.53	84	140339	5.129	ug/L	98
17) Methyl tert-butyl Ether	2.80	73	292838	5.357	ug/L	99
18) trans-1,2-Dichloroethene	2.79	96	127224	5.640	ug/L	96
19) 1,1-Dichloroethane	3.22	63	249894	5.550	ug/L	99
21) 2-Butanone	4.02	43	314111	55.593	ug/L	98
22) cis-1,2-Dichloroethene	3.96	96	147340	5.571	ug/L	97

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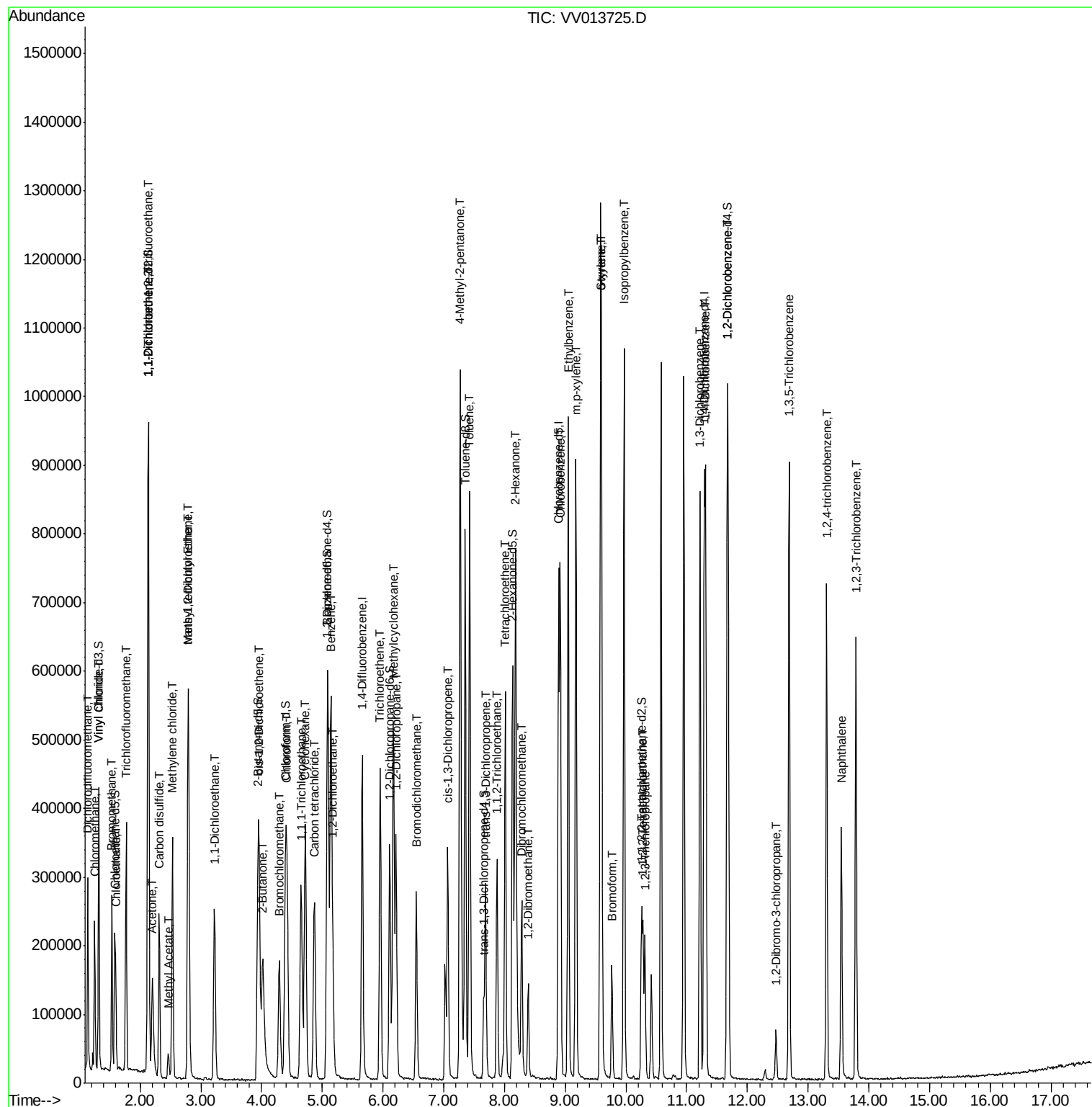
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
23) Bromochloromethane	4.29	128	63118	5.431	ug/L	88
25) Chloroform	4.42	83	262500	5.499	ug/L	97
27) 1,2-Dichloroethane	5.17	62	148337	5.429	ug/L	99
29) 1,1,1-Trichloroethane	4.65	97	224759	5.440	ug/L	99
30) Cyclohexane	4.72	56	194581	5.638	ug/L	99
31) Carbon tetrachloride	4.87	117	200255	5.509	ug/L	100
33) Benzene	5.14	78	544341	5.495	ug/L	100
34) Trichloroethene	5.95	95	149890	5.485	ug/L	99
35) Methylcyclohexane	6.17	83	207917	5.702	ug/L	98
37) 1,2-Dichloropropane	6.21	63	134741	5.292	ug/L	100
38) Bromodichloromethane	6.55	83	179440	5.341	ug/L	100
39) cis-1,3-Dichloropropene	7.06	75	197507	5.467	ug/L	97
40) 4-Methyl-2-pentanone	7.27	43	796149	53.590	ug/L	99
42) Toluene	7.43	91	609818	5.739	ug/L	98
44) trans-1,3-Dichloropropene	7.69	75	155176	5.487	ug/L	96
45) 1,1,2-Trichloroethane	7.88	97	98182	5.411	ug/L	98
47) Tetrachloroethene	8.01	164	135755	5.721	ug/L	98
48) 2-Hexanone	8.18	43	582122	54.895	ug/L	99
49) Dibromochloromethane	8.28	129	127905	5.496	ug/L	96
50) 1,2-Dibromoethane	8.39	107	89187	5.428	ug/L	94
51) Chlorobenzene	8.92	112	402258	5.441	ug/L	99
52) Ethylbenzene	9.05	91	667652	5.784	ug/L	99
53) m,p-xylene	9.18	106	257048	5.841	ug/L	98
54) o-xylene	9.58	106	249081	5.798	ug/L	99
55) Styrene	9.60	104	436520	5.885	ug/L	97
56) Isopropylbenzene	9.97	105	679928	5.807	ug/L	99
58) 1,1,1,2,2-Tetrachloroethane	10.28	83	104604	5.247	ug/L	98
59) 1,2,3-Trichloropropane	10.31	75	83776	5.360	ug/L	99
61) Bromoform	9.77	173	77547	5.558	ug/L	98
62) 1,3-Dichlorobenzene	11.22	146	364944	5.666	ug/L	99
63) 1,4-Dichlorobenzene	11.31	146	358146	5.463	ug/L	99
65) 1,2-Dichlorobenzene	11.68	146	330913	5.536	ug/L	98
66) 1,2-Dibromo-3-chloropropan	12.47	75	17043	4.906	ug/L	94
67) 1,3,5-Trichlorobenzene	12.69	180	301192	5.536	ug/L	98
68) 1,2,4-trichlorobenzene	13.31	180	237791	5.329	ug/L	99
69) Naphthalene	13.55	128	298684	4.916	ug/L	100
70) 1,2,3-Trichlorobenzene	13.79	180	215040	5.290	ug/L	99

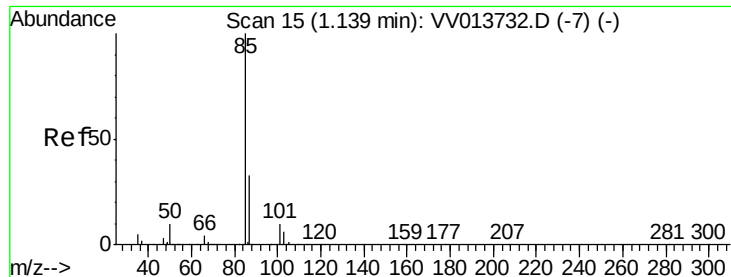
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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#2

Dichlorodifluoromethane

Concen: 5.791 ug/L

RT: 1.14 min Scan# 15

Delta R.T. 0.00 min

Lab File: VV013725.D

Acq: 22 Nov 2019 09:37

Instrument :

MSVOA_V

ClientSampleId :

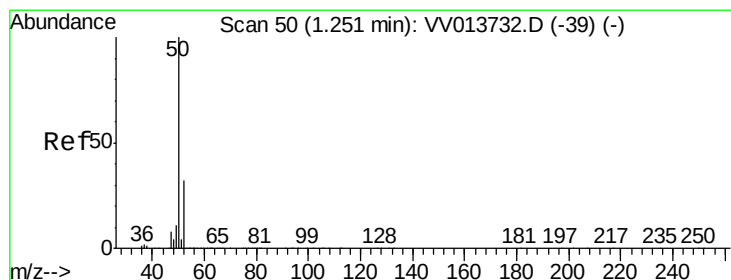
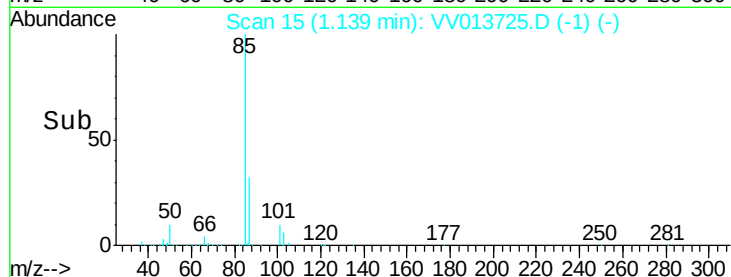
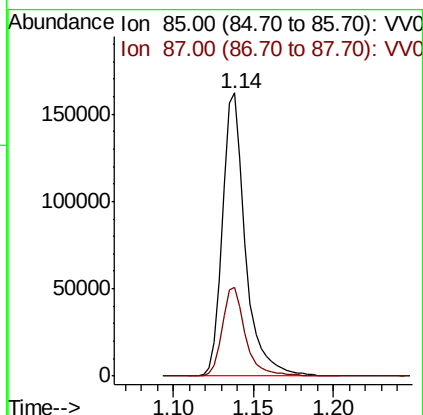
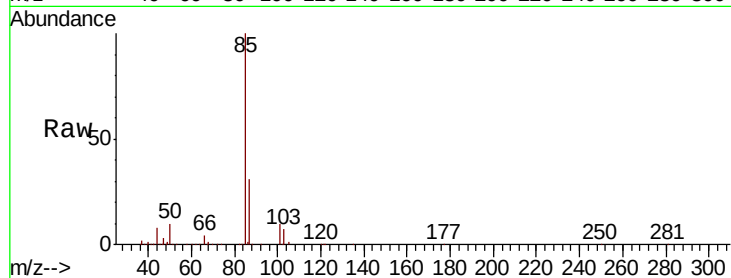
VSTDCCC005

Tot Ion: 85 Resp: 160239

Ion Ratio Lower Upper

85 100

87 32.0 27.4 41.2



#3

Chloromethane

Concen: 5.677 ug/L

RT: 1.25 min Scan# 50

Delta R.T. 0.00 min

Lab File: VV013725.D

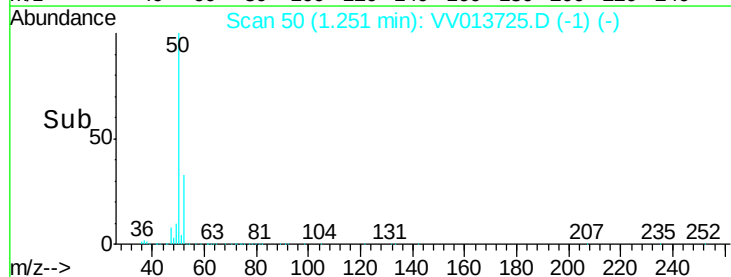
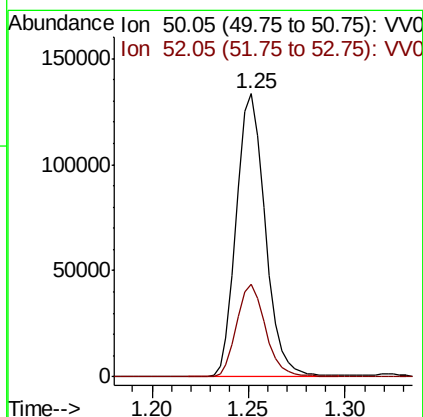
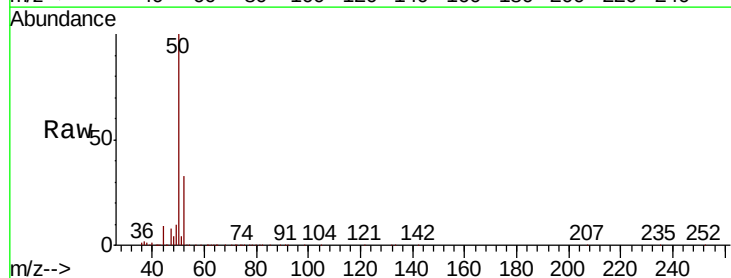
Acq: 22 Nov 2019 09:37

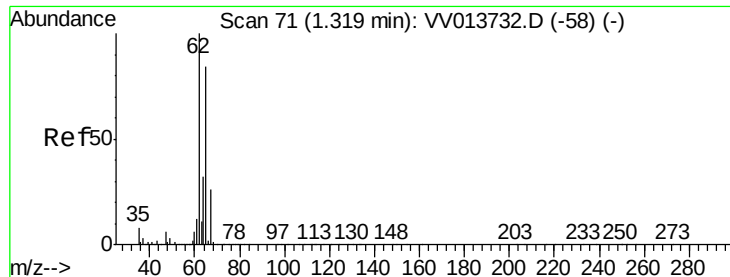
Tgt Ion: 50 Resp: 137940

Ion Ratio Lower Upper

50 100

52 32.5 22.5 41.7





#5

Vinyl chloride

Concen: 5.686 ug/L

RT: 1.32 min Scan# 72

Delta R.T. 0.00 min

Lab File: VV013725.D

Acq: 22 Nov 2019 09:37

Instrument :

MSVOA_V

ClientSampleId :

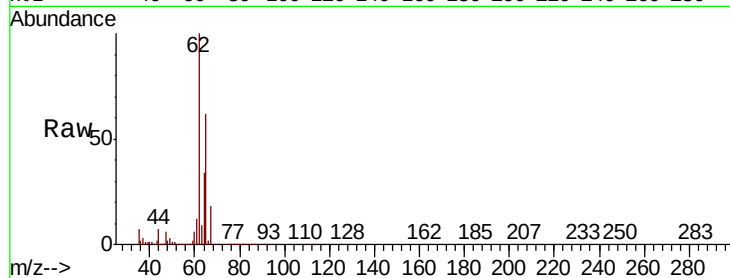
VSTDCCC005

Tot Ion: 62 Resp: 141130

Ion Ratio Lower Upper

62 100

64 33.6 23.3 43.3



Abundance Ion 62.00 (61.70 to 62.70): VV0

Ion 64.10 (63.80 to 64.80): VV0

1.32

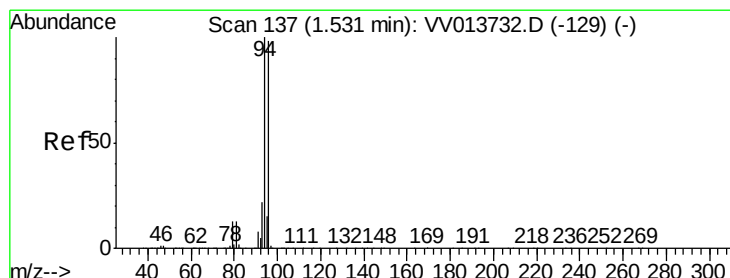
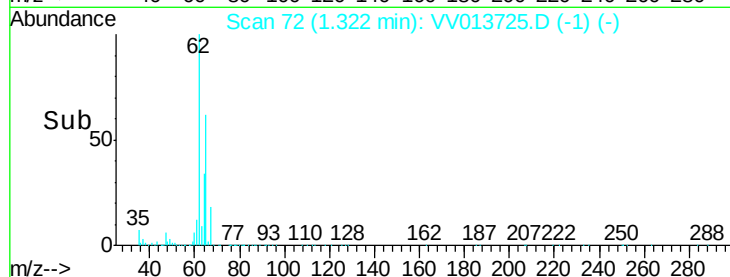
150000

100000

50000

0

Time-->



#6

Bromomethane

Concen: 7.871 ug/L

RT: 1.53 min Scan# 138

Delta R.T. 0.00 min

Lab File: VV013725.D

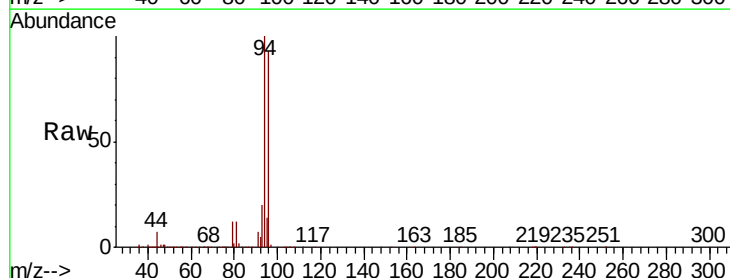
Acq: 22 Nov 2019 09:37

Tgt Ion: 94 Resp: 102864

Ion Ratio Lower Upper

94 100

96 92.8 65.2 121.0



Abundance Ion 94.00 (93.70 to 94.70): VV0

Ion 96.00 (95.70 to 96.70): VV0

1.53

100000

80000

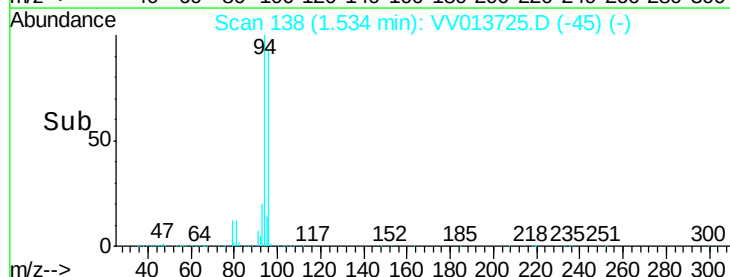
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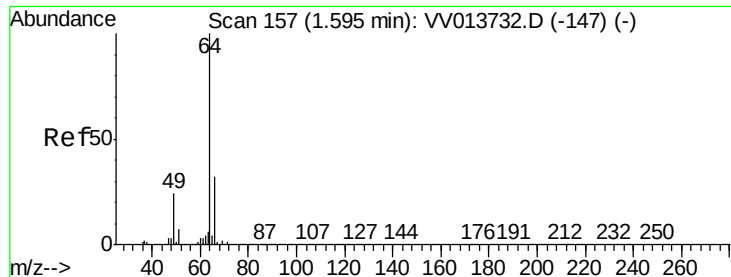
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Time-->

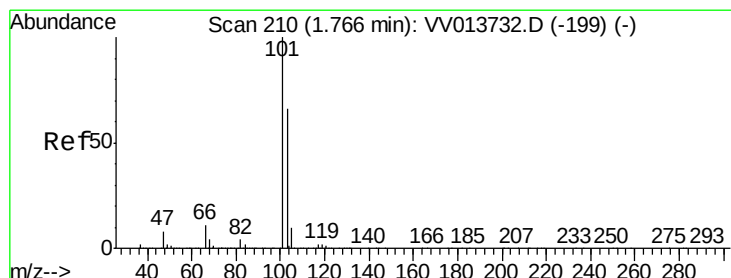
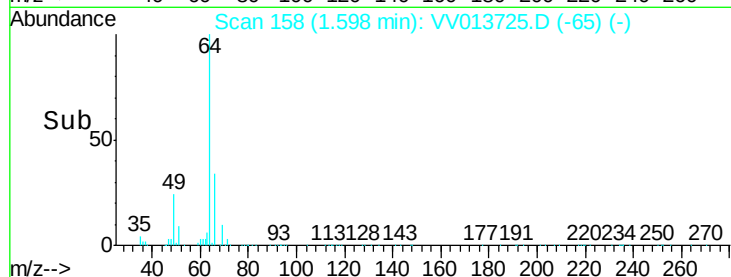
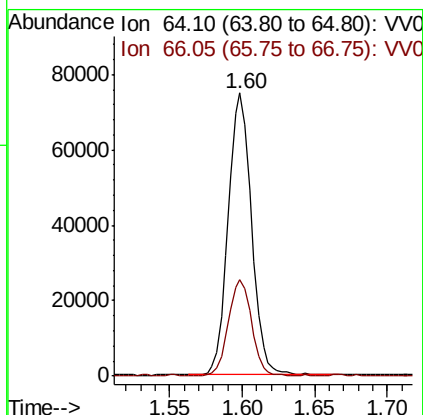
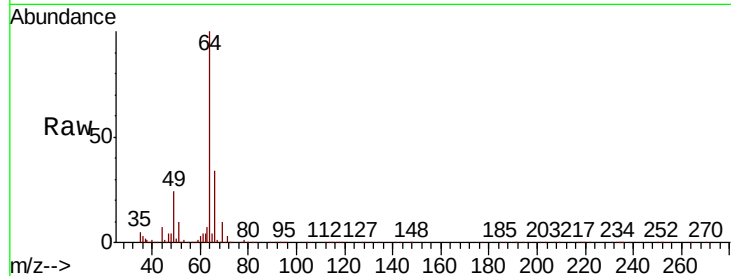




#8
Chloroethane
Concen: 5.564 ug/L
RT: 1.60 min Scan# 158
Delta R.T. 0.00 min
Lab File: VV013725.D
Acq: 22 Nov 2019 09:37

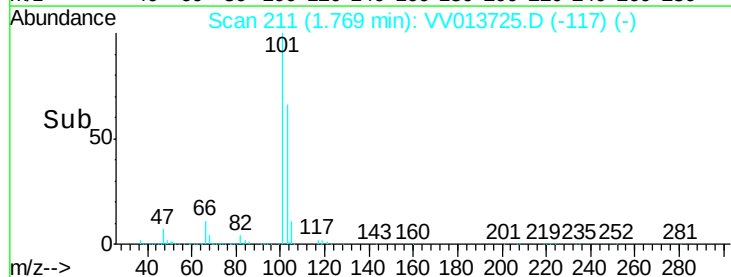
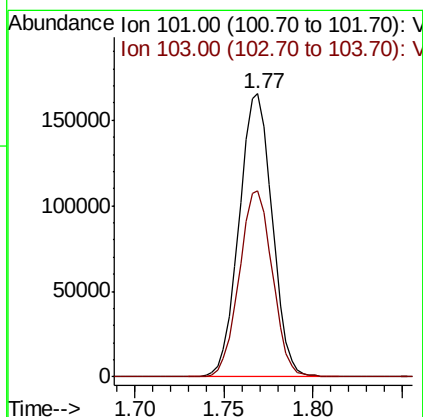
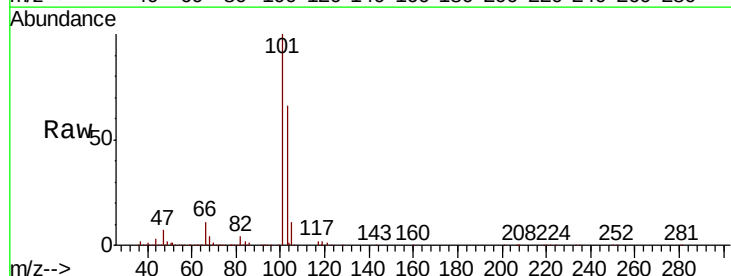
Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC005

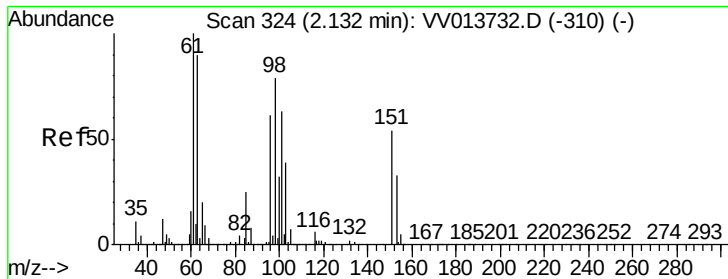
Tot Ion: 64 Resp: 83218
Ion Ratio Lower Upper
64 100
66 33.9 22.6 42.0



#9
Trichlorofluoromethane
Concen: 5.551 ug/L
RT: 1.77 min Scan# 211
Delta R.T. 0.00 min
Lab File: VV013725.D
Acq: 22 Nov 2019 09:37

Tgt Ion: 101 Resp: 213937
Ion Ratio Lower Upper
101 100
103 65.6 52.9 79.3





#10

1,1,2-Trichloro-1,2,2-trifluoroethane

Concen: 5.610 ug/L

RT: 2.14 min Scan# 325

Delta R.T. 0.00 min

Lab File: VV013725.D

Acq: 22 Nov 2019 09:37

Instrument :

MSVOA_V

ClientSampleId :

VSTDCCC005

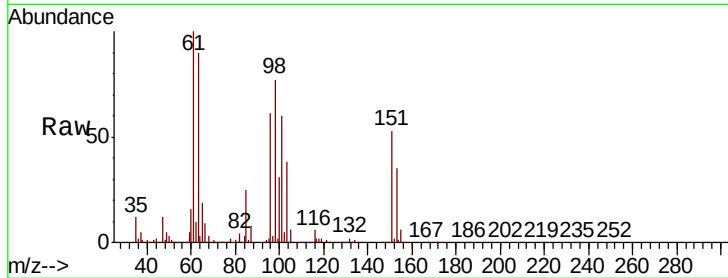
Tot Ion:101 Resp: 128475

Ion Ratio Lower Upper

101 100

85 42.2 33.4 50.0

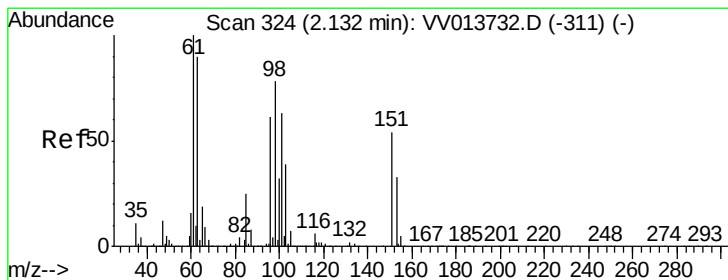
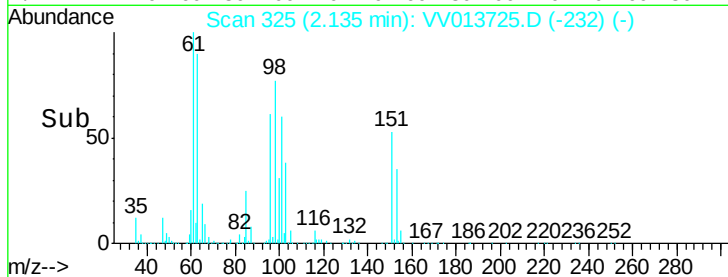
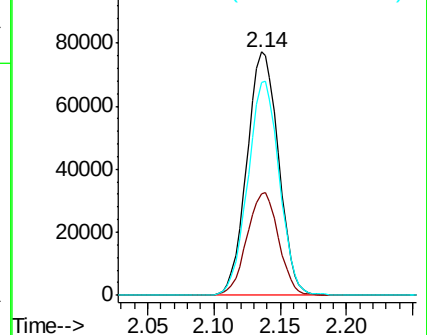
151 87.4 69.4 104.0



Abundance Ion 101.00 (100.70 to 101.70): VV013725.D (-232) (-)

Ion 85.00 (84.70 to 85.70): VV013725.D (-232) (-)

Ion 151.00 (150.70 to 151.70): VV013725.D (-232) (-)



#12

1,1-Dichloroethene

Concen: 5.658 ug/L

RT: 2.14 min Scan# 326

Delta R.T. 0.00 min

Lab File: VV013725.D

Acq: 22 Nov 2019 09:37

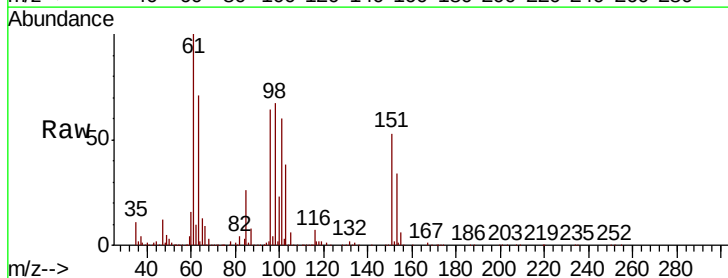
Tgt Ion: 96 Resp: 113017

Ion Ratio Lower Upper

96 100

61 156.6 116.3 215.9

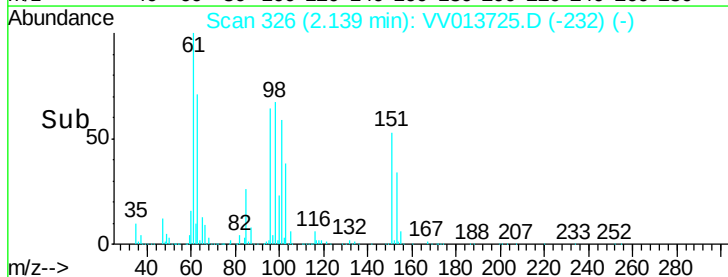
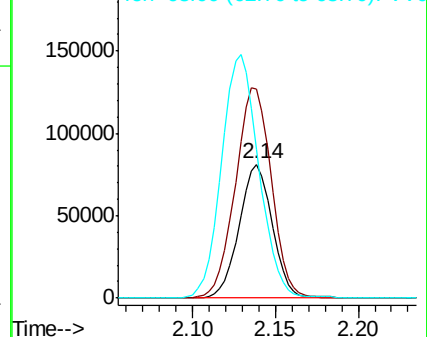
63 111.0 96.7 179.7

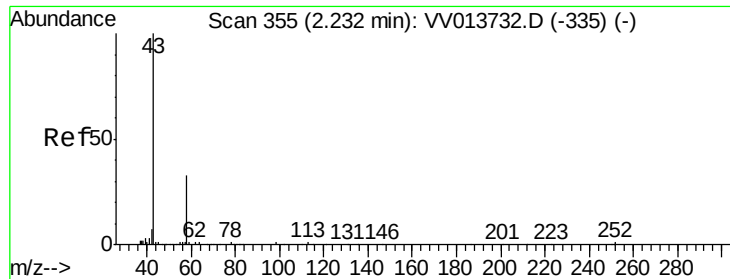


Abundance Ion 96.00 (95.70 to 96.70): VV013725.D (-232) (-)

Ion 61.05 (60.75 to 61.75): VV013725.D (-232) (-)

Ion 63.00 (62.70 to 63.70): VV013725.D (-232) (-)





#13

Acetone

Concen: 54.296 ug/L

RT: 2.20 min Scan# 345

Delta R.T. -0.04 min

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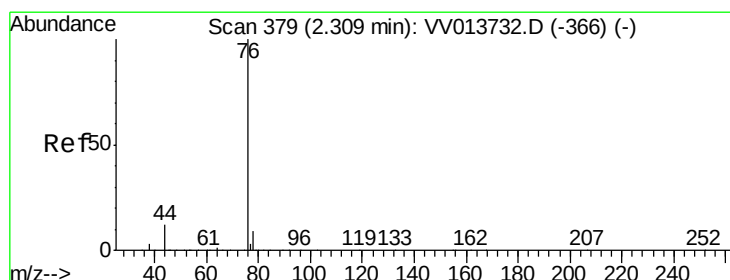
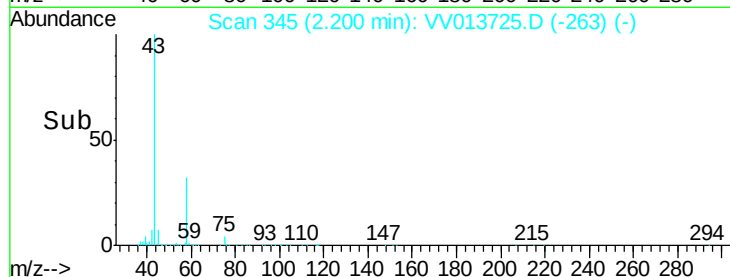
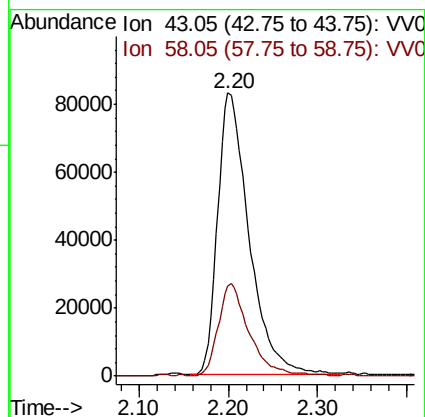
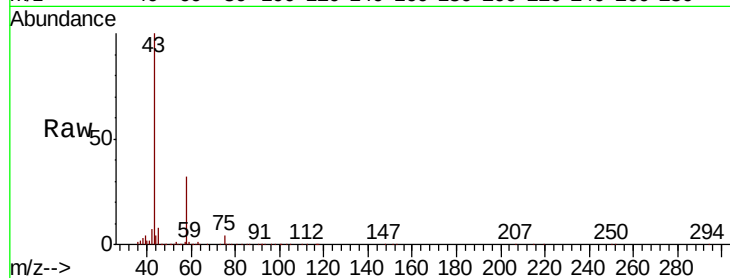
VSTDCCC005

Tot Ion: 43 Resp: 202959

Ion Ratio Lower Upper

43 100

58 31.5 0.0 27.2#



#14

Carbon disulfide

Concen: 5.887 ug/L

RT: 2.32 min Scan# 381

Delta R.T. 0.00 min

Lab File: VV013725.D

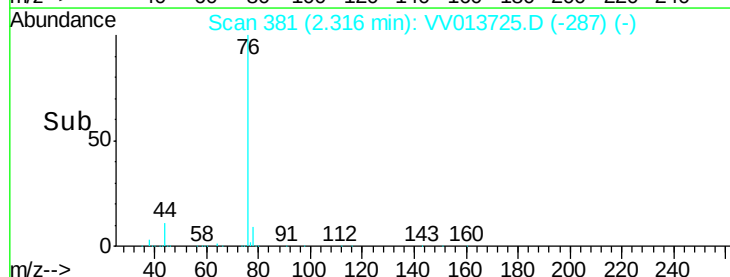
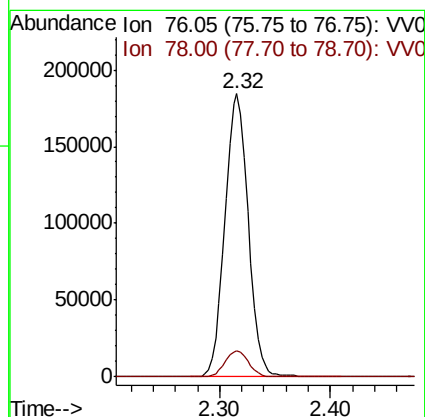
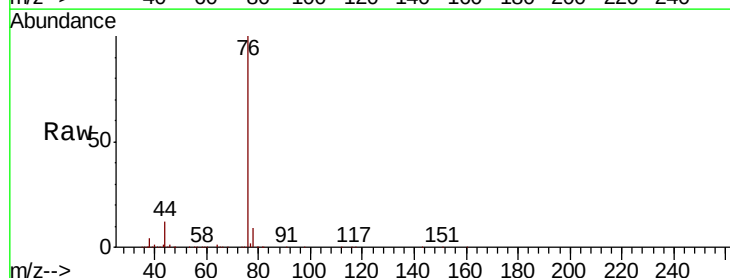
Acq: 22 Nov 2019 09:37

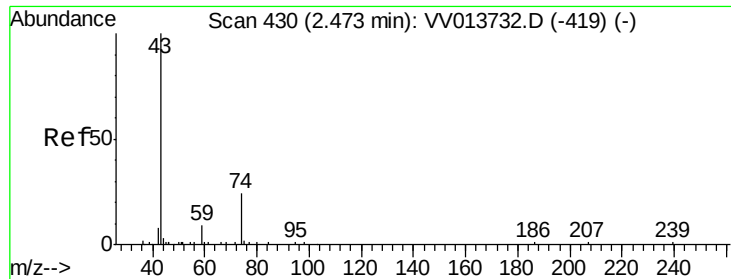
Tgt Ion: 76 Resp: 271481

Ion Ratio Lower Upper

76 100

78 9.2 7.5 11.3

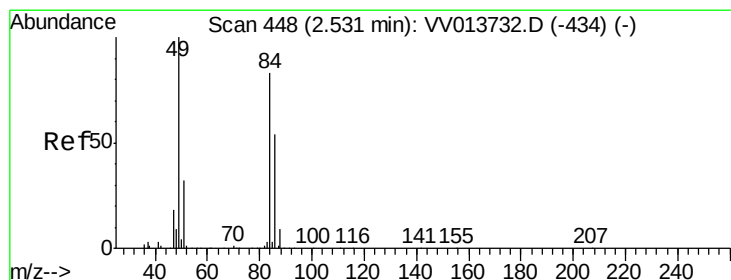
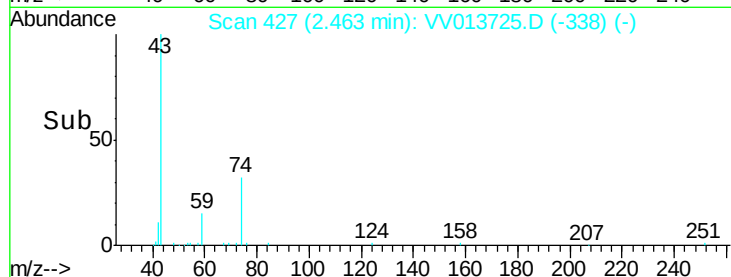
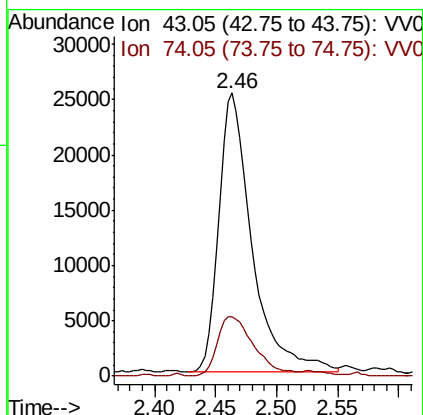
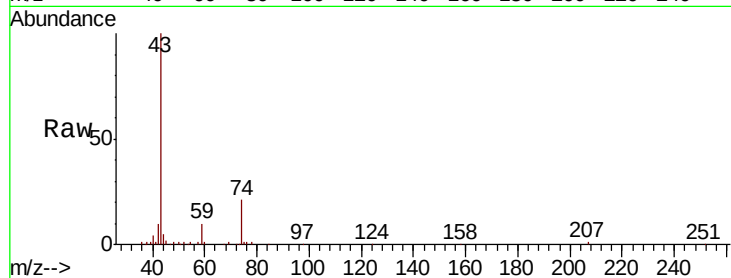




#15
Methyl Acetate
Concen: 5.768 ug/L
RT: 2.46 min Scan# 427
Delta R.T. -0.01 min
Lab File: VV013725.D
Acq: 22 Nov 2019 09:37

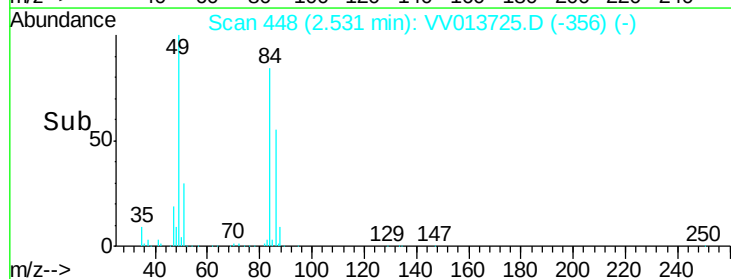
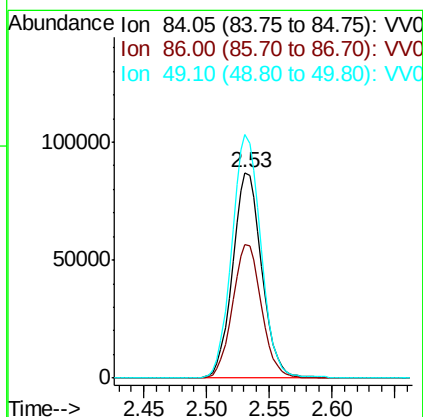
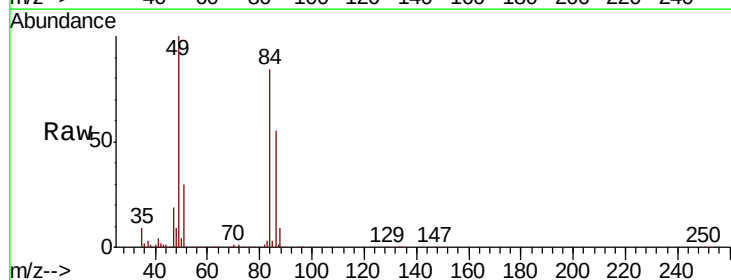
Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC005

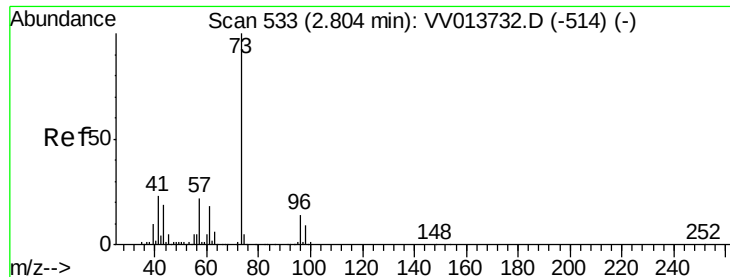
Tot Ion: 43 Resp: 48272
Ion Ratio Lower Upper
43 100
74 23.7 20.5 30.7



#16
Methylene chloride
Concen: 5.129 ug/L
RT: 2.53 min Scan# 448
Delta R.T. -0.00 min
Lab File: VV013725.D
Acq: 22 Nov 2019 09:37

Tgt Ion: 84 Resp: 140339
Ion Ratio Lower Upper
84 100
86 65.3 44.0 81.6
49 118.6 81.5 151.5

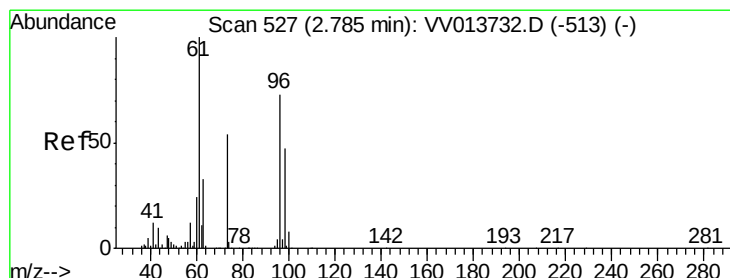
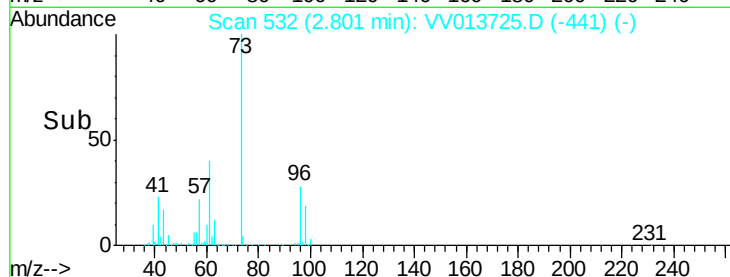
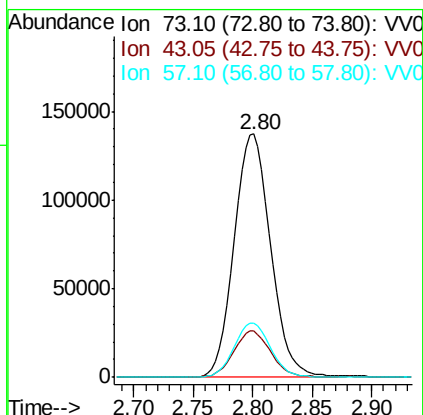
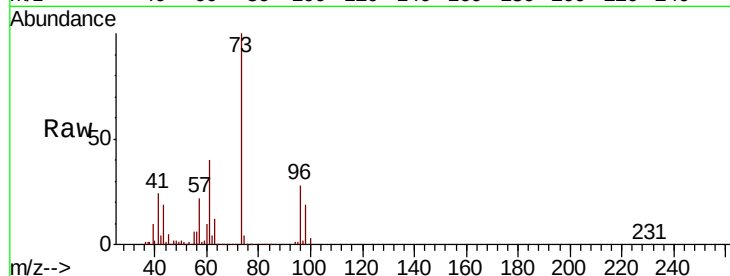




#17
Methyl tert-butyl Ether
Concen: 5.357 ug/L
RT: 2.80 min Scan# 532
Delta R.T. -0.01 min
Lab File: VV013725.D
Acq: 22 Nov 2019 09:37

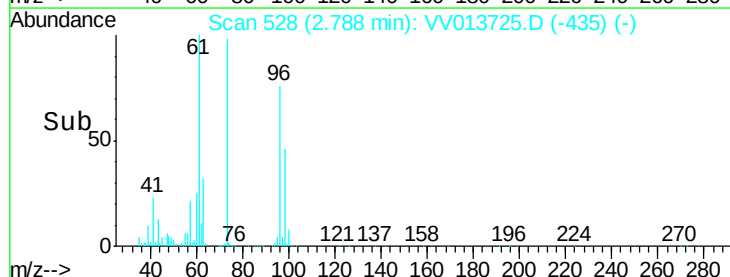
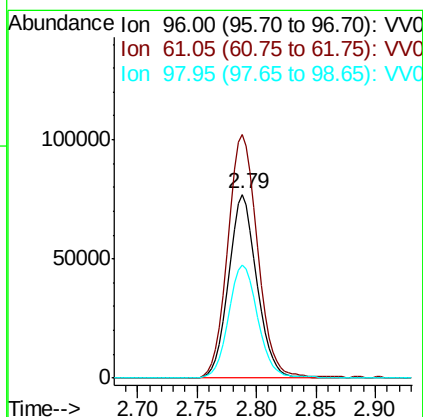
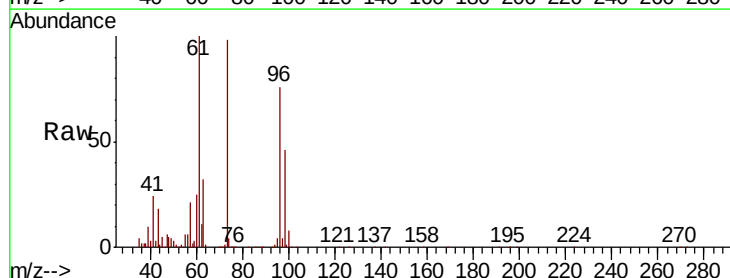
Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC005

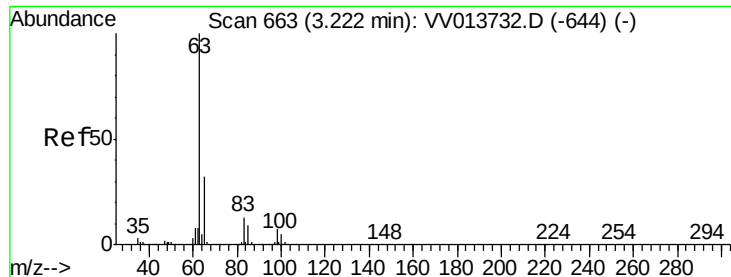
Tot Ion	Ratio	Lower	Upper
73	100		
43	18.9	15.5	23.3
57	22.4	17.5	26.3



#18
trans-1,2-Dichloroethene
Concen: 5.640 ug/L
RT: 2.79 min Scan# 528
Delta R.T. 0.00 min
Lab File: VV013725.D
Acq: 22 Nov 2019 09:37

Tgt Ion	Ratio	Lower	Upper
96	100		
61	132.3	95.1	176.7
98	61.4	46.5	86.3

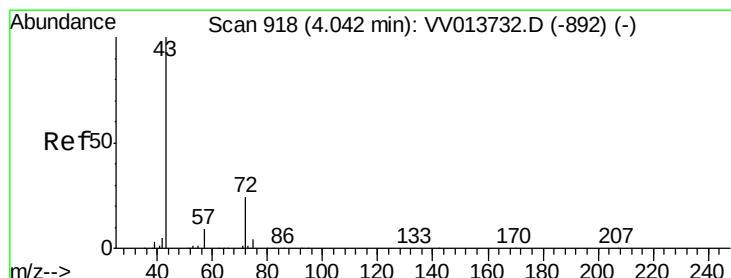
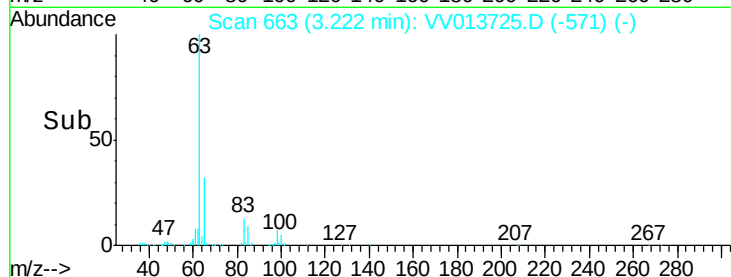
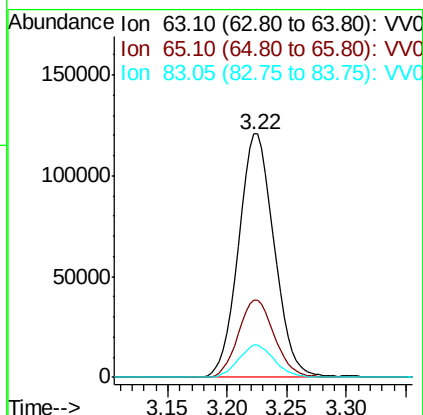
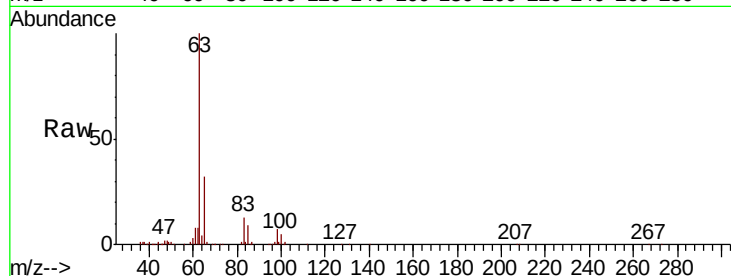




#19
 1,1-Dichloroethane
 Concen: 5.550 ug/L
 RT: 3.22 min Scan# 663
 Delta R.T. -0.00 min
 Lab File: VV013725.D
 Acq: 22 Nov 2019 09:37

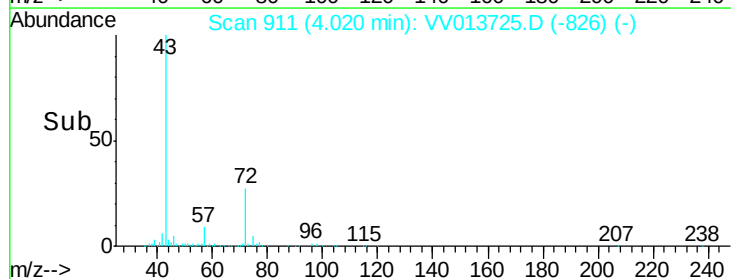
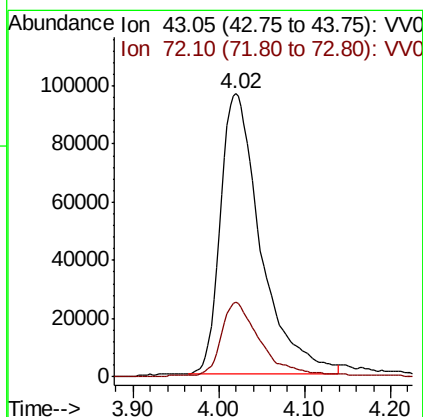
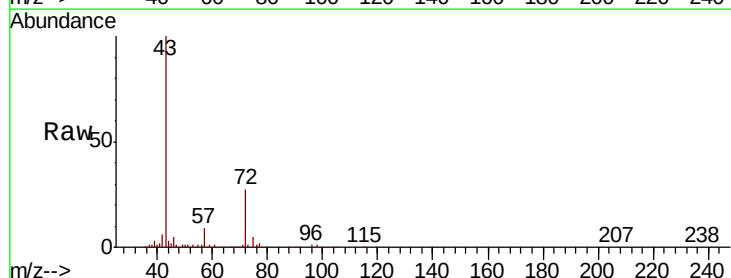
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDCCC005

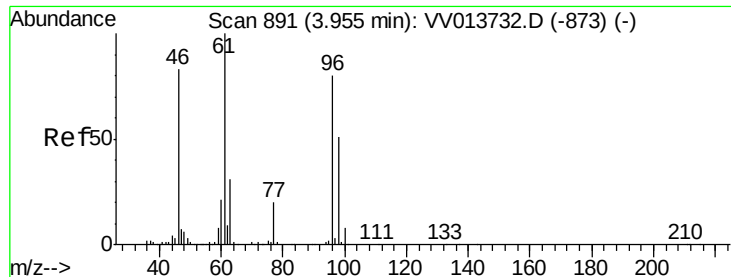
Tot Ion: 63 Resp: 249894
 Ion Ratio Lower Upper
 63 100
 65 31.5 22.7 42.1
 83 13.2 9.2 17.2



#21
 2-Butanone
 Concen: 55.593 ug/L
 RT: 4.02 min Scan# 911
 Delta R.T. -0.03 min
 Lab File: VV013725.D
 Acq: 22 Nov 2019 09:37

Tgt Ion: 43 Resp: 314111
 Ion Ratio Lower Upper
 43 100
 72 25.7 12.3 36.9





#22

cis-1,2-Dichloroethene

Concen: 5.571 ug/L

RT: 3.96 min Scan# 891

Delta R.T. -0.00 min

Lab File: VV013725.D

Acq: 22 Nov 2019 09:37

Instrument :

MSVOA_V

ClientSampleId :

VSTDCCC005

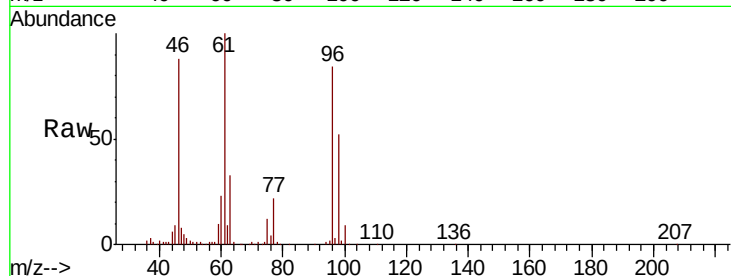
Tot Ion: 96 Resp: 147340

Ion Ratio Lower Upper

96 100

61 119.7 86.1 159.9

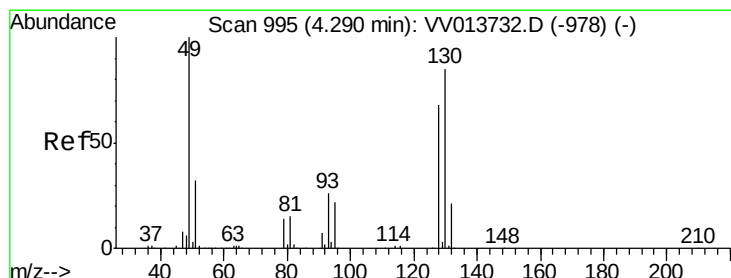
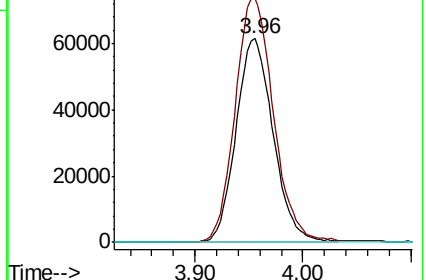
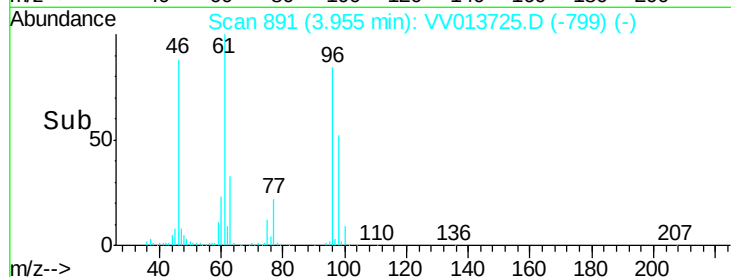
68 0.0 0.0 0.0



Abundance Ion 96.00 (95.70 to 96.70): VV013725.D (-799) (-)

Ion 61.05 (60.75 to 61.75): VV013725.D (-799) (-)

Ion 68.15 (67.85 to 68.85): VV013725.D (-799) (-)



#23

Bromochloromethane

Concen: 5.431 ug/L

RT: 4.29 min Scan# 996

Delta R.T. -0.00 min

Lab File: VV013725.D

Acq: 22 Nov 2019 09:37

Tgt Ion: 128 Resp: 63118

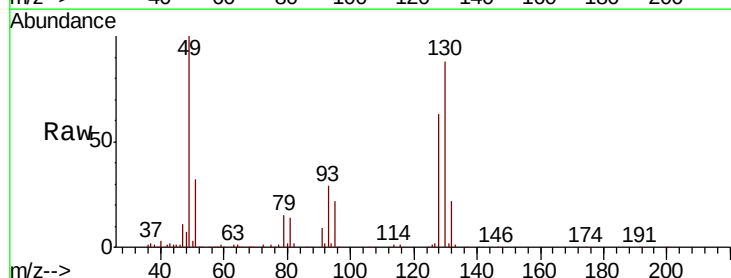
Ion Ratio Lower Upper

128 100

49 159.1 100.1 185.9

130 139.9 89.0 165.4

51 51.6 36.3 54.5

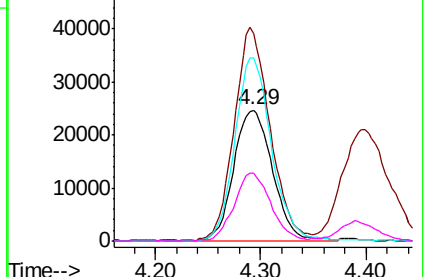
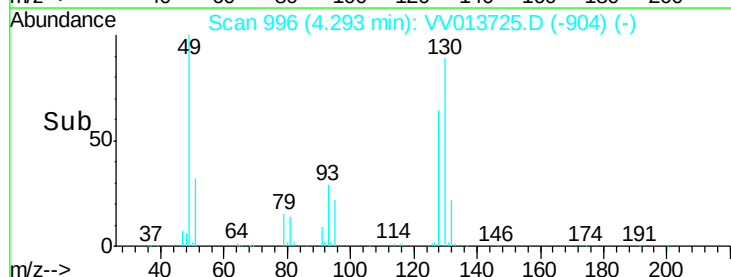


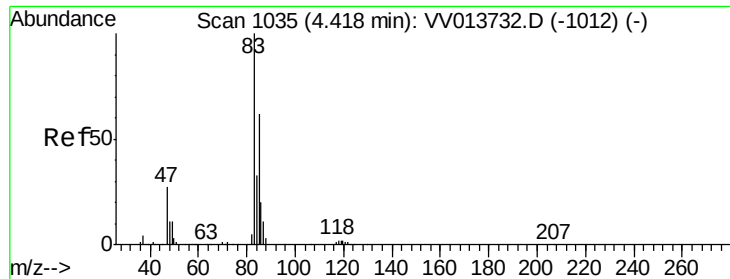
Abundance Ion 127.90 (127.60 to 128.60): VV013725.D (-904) (-)

Ion 49.10 (48.80 to 49.80): VV013725.D (-904) (-)

Ion 129.95 (129.65 to 130.65): VV013725.D (-904) (-)

Ion 51.05 (50.75 to 51.75): VV013725.D (-904) (-)

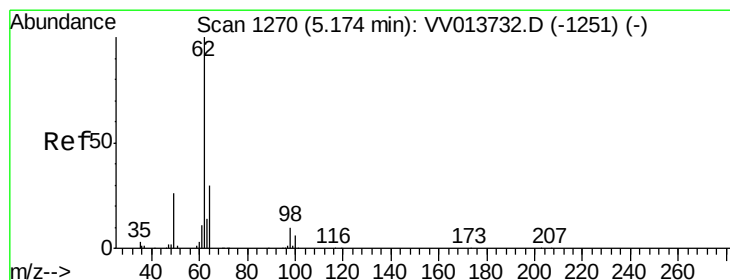
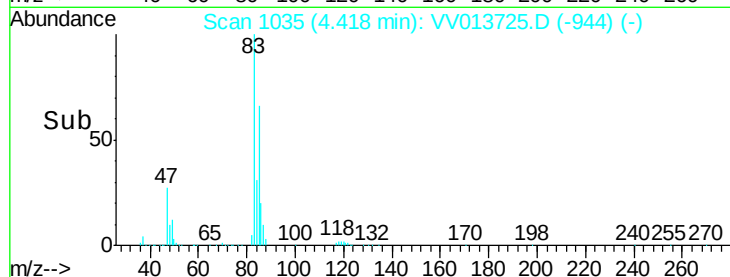
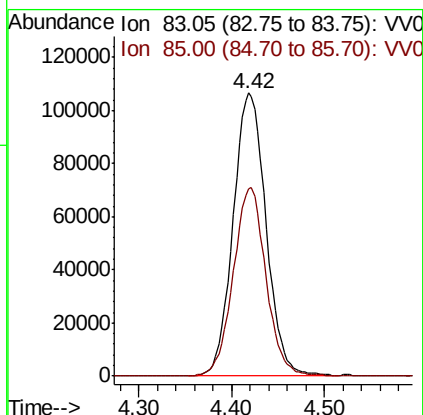
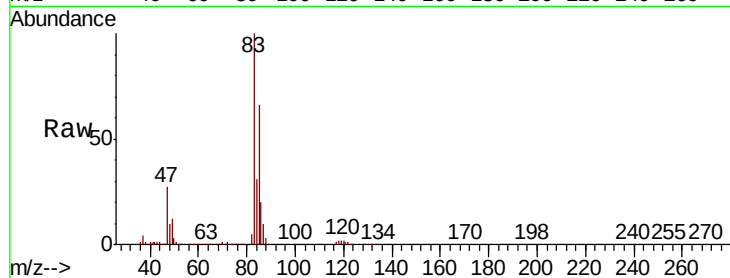




#25
Chloroform
Concen: 5.499 ug/L
RT: 4.42 min Scan# 1035
Delta R.T. -0.01 min
Lab File: VV013725.D
Acq: 22 Nov 2019 09:37

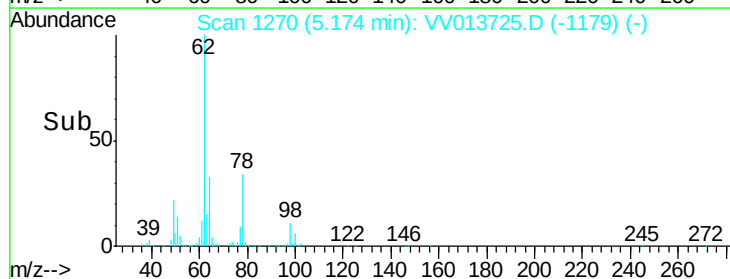
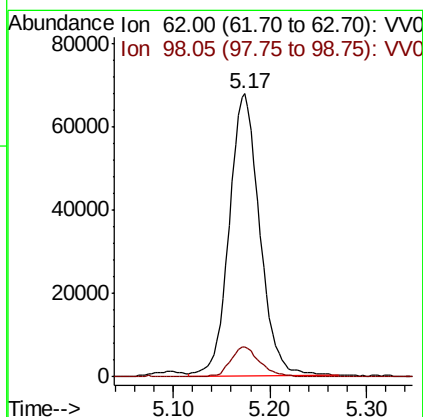
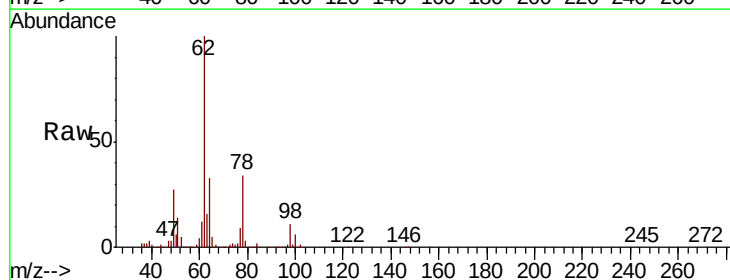
Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC005

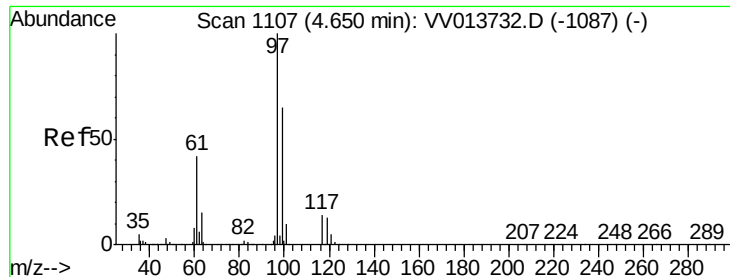
Tot Ion: 83 Resp: 262500
Ion Ratio Lower Upper
83 100
85 66.4 45.1 83.7



#27
1,2-Dichloroethane
Concen: 5.429 ug/L
RT: 5.17 min Scan# 1270
Delta R.T. -0.01 min
Lab File: VV013725.D
Acq: 22 Nov 2019 09:37

Tgt Ion: 62 Resp: 148337
Ion Ratio Lower Upper
62 100
98 10.6 8.2 12.2





#29

1,1,1-Trichloroethane

Concen: 5.440 ug/L

RT: 4.65 min Scan# 1107

Delta R.T. -0.00 min

Lab File: VV013725.D

Acq: 22 Nov 2019 09:37

Instrument :

MSVOA_V

ClientSampleId :

VSTDCCC005

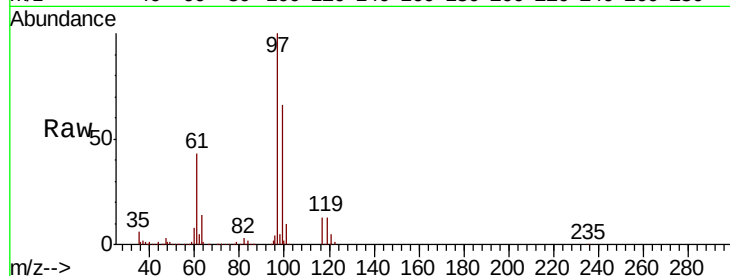
Tot Ion: 97 Resp: 224759

Ion Ratio Lower Upper

97 100

99 64.5 51.7 77.5

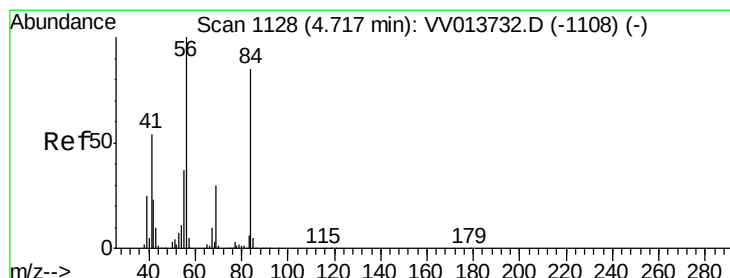
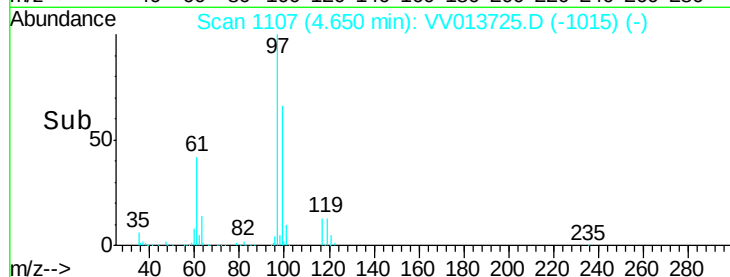
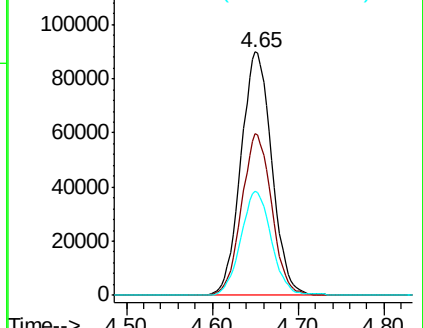
61 42.2 35.0 52.6



Abundance Ion 96.95 (96.65 to 97.65): VV0

Ion 99.05 (98.75 to 99.75): VV0

Ion 61.05 (60.75 to 61.75): VV0



#30

Cyclohexane

Concen: 5.638 ug/L

RT: 4.72 min Scan# 1129

Delta R.T. -0.00 min

Lab File: VV013725.D

Acq: 22 Nov 2019 09:37

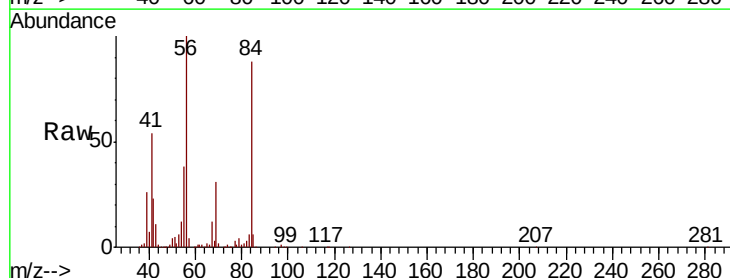
Tgt Ion: 56 Resp: 194581

Ion Ratio Lower Upper

56 100

69 31.4 24.1 36.1

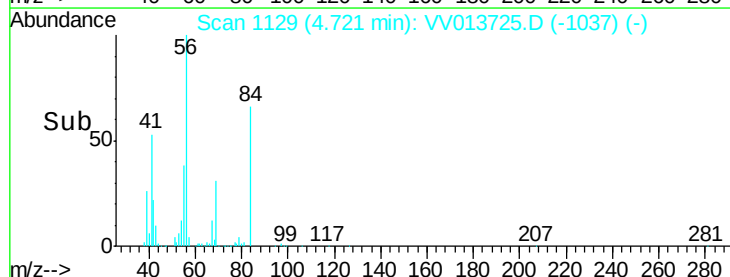
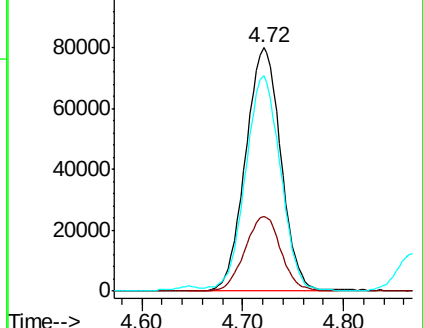
84 88.2 69.9 104.9

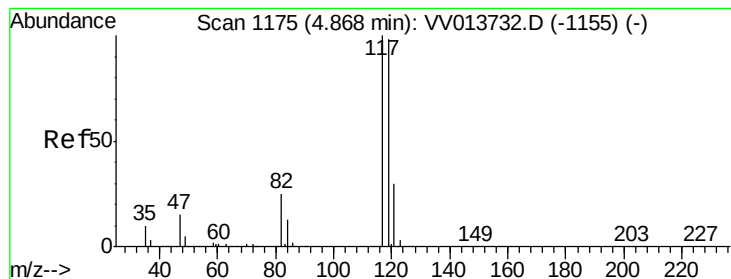


Abundance Ion 56.10 (55.80 to 56.80): VV0

Ion 69.15 (68.85 to 69.85): VV0

Ion 84.15 (83.85 to 84.85): VV0





#31

Carbon tetrachloride

Concen: 5.509 ug/L

RT: 4.87 min Scan# 1175

Delta R.T. -0.00 min

Lab File: VV013725.D

Acq: 22 Nov 2019 09:37

Instrument :

MSVOA_V

ClientSampleId :

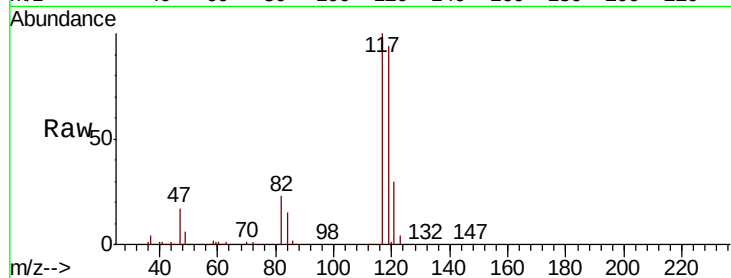
VSTDCCC005

Tot Ion:117 Resp: 200255

Ion Ratio Lower Upper

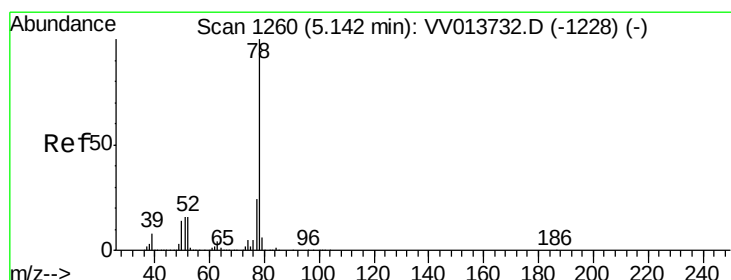
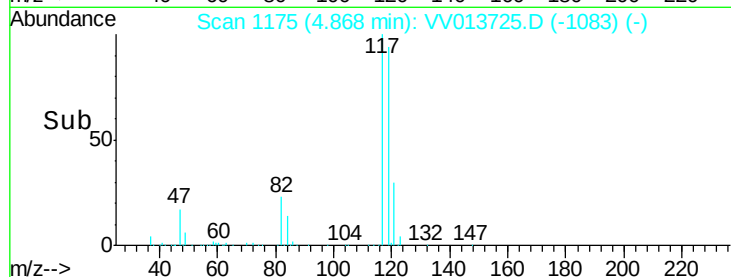
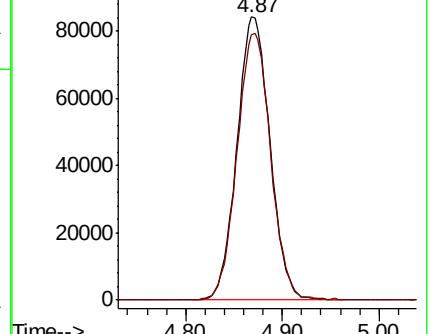
117 100

119 95.7 76.8 115.2



Abundance Ion 116.90 (116.60 to 117.60): V

Ion 118.90 (118.60 to 119.60): V



#33

Benzene

Concen: 5.495 ug/L

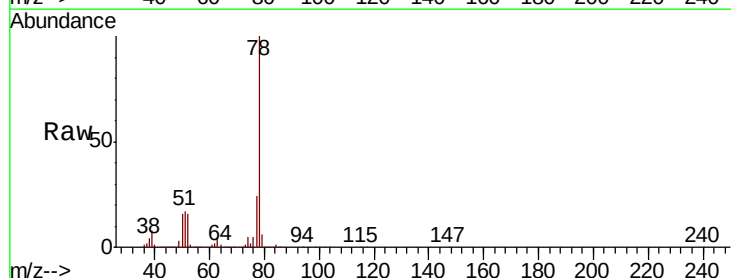
RT: 5.14 min Scan# 1260

Delta R.T. -0.00 min

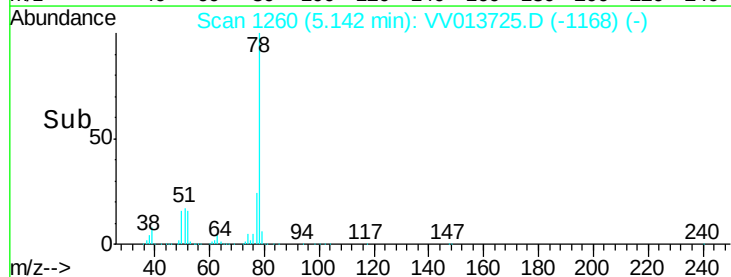
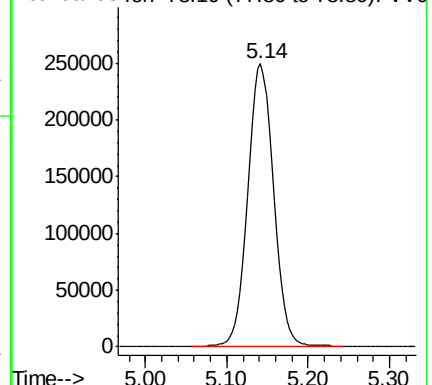
Lab File: VV013725.D

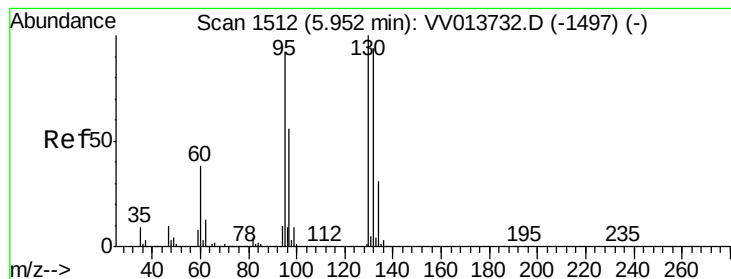
Acq: 22 Nov 2019 09:37

Tgt Ion: 78 Resp: 544341



Abundance Ion 78.10 (77.80 to 78.80): VV0





#34

Trichloroethene

Concen: 5.485 ug/L

RT: 5.95 min Scan# 1512

Delta R.T. -0.00 min

Lab File: VV013725.D

Acq: 22 Nov 2019 09:37

Instrument :

MSVOA_V

ClientSampleId :

VSTDCCC005

Tot Ion: 95 Resp: 149890

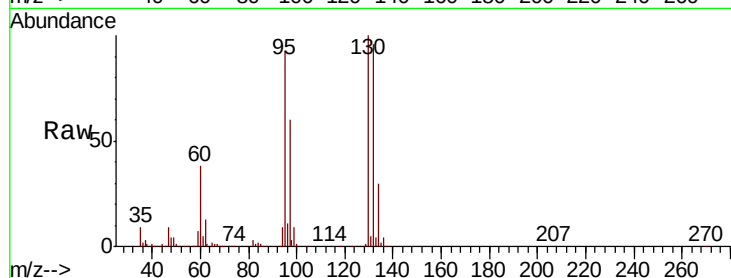
Ion Ratio Lower Upper

95 100

97 64.3 45.6 84.8

132 103.3 70.5 130.9

130 108.0 75.9 140.9

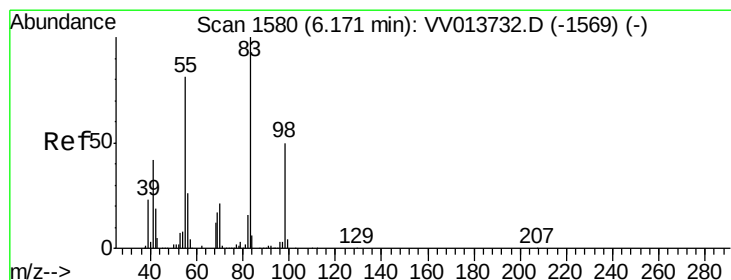
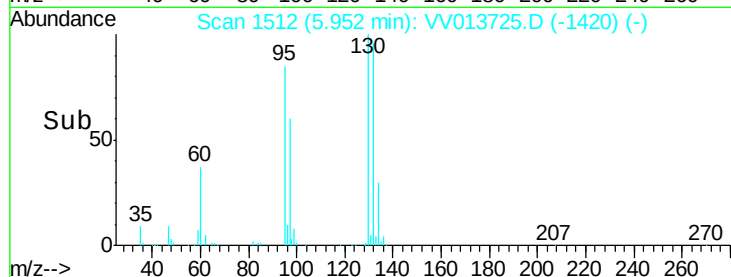
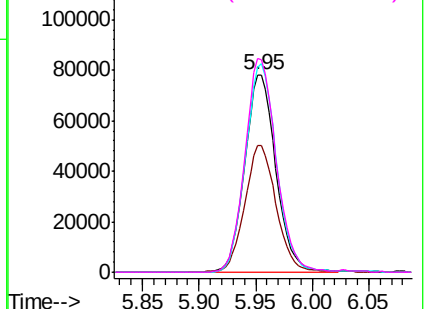


Abundance Ion 95.00 (94.70 to 95.70): VV0

Ion 96.95 (96.65 to 97.65): VV0

Ion 131.95 (131.65 to 132.65): V

Ion 129.95 (129.65 to 130.65): V



#35

Methylcyclohexane

Concen: 5.702 ug/L

RT: 6.17 min Scan# 1580

Delta R.T. -0.00 min

Lab File: VV013725.D

Acq: 22 Nov 2019 09:37

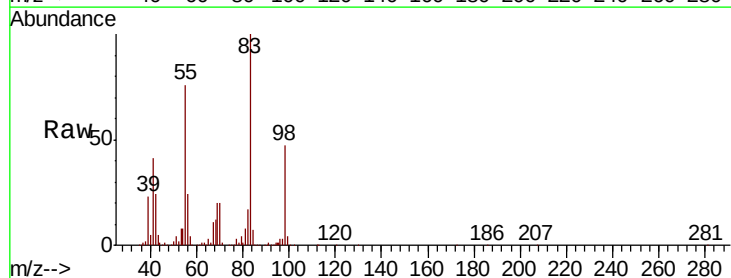
Tgt Ion: 83 Resp: 207917

Ion Ratio Lower Upper

83 100

55 76.6 60.3 90.5

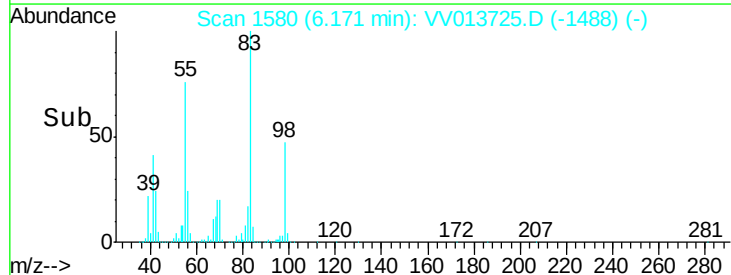
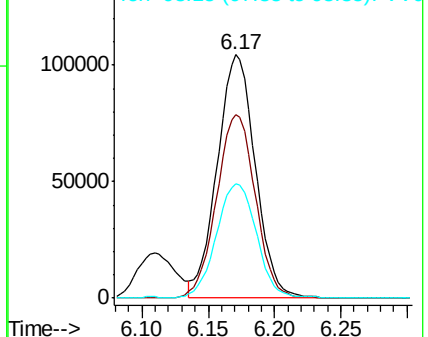
98 48.8 38.1 57.1

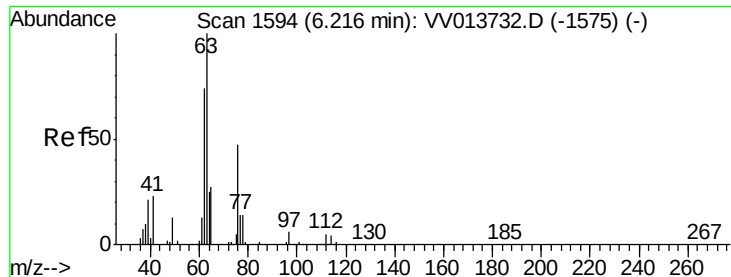


Abundance Ion 83.15 (82.85 to 83.85): VV0

Ion 55.10 (54.80 to 55.80): VV0

Ion 98.15 (97.85 to 98.85): VV0

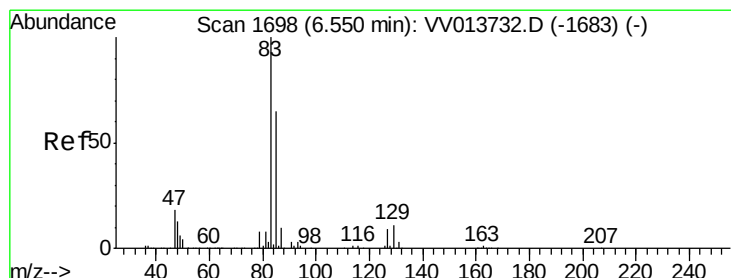
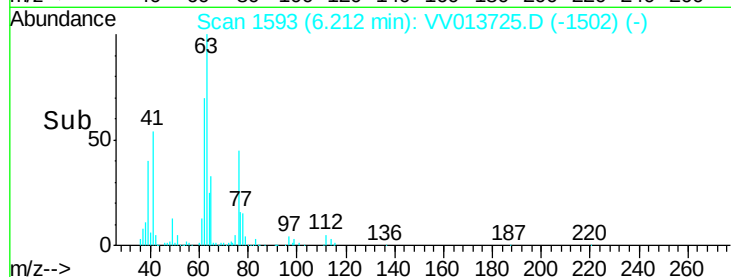
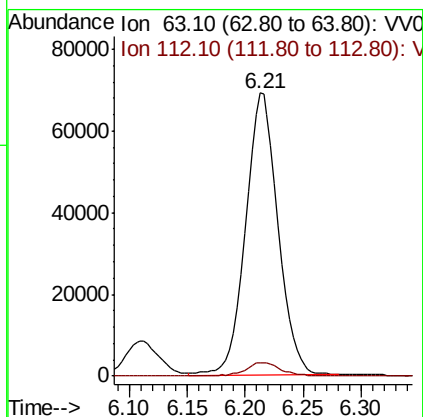
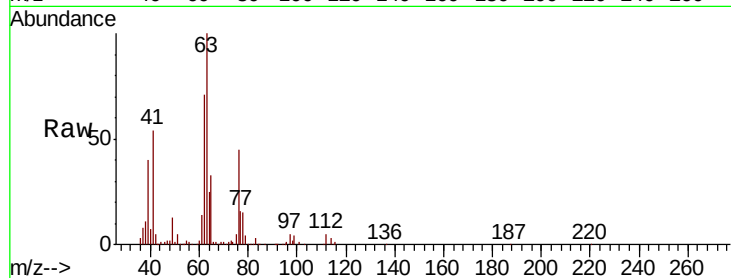




#37
 1,2-Dichloropropane
 Concen: 5.292 ug/L
 RT: 6.21 min Scan# 1593
 Delta R.T. -0.01 min
 Lab File: VV013725.D
 Acq: 22 Nov 2019 09:37

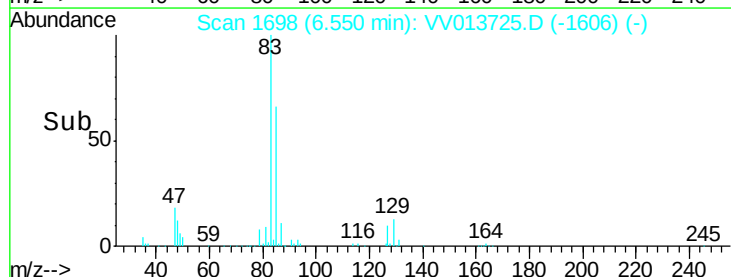
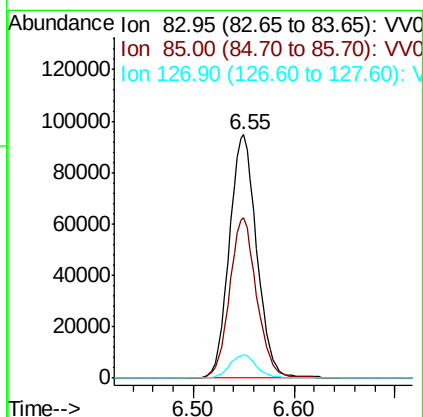
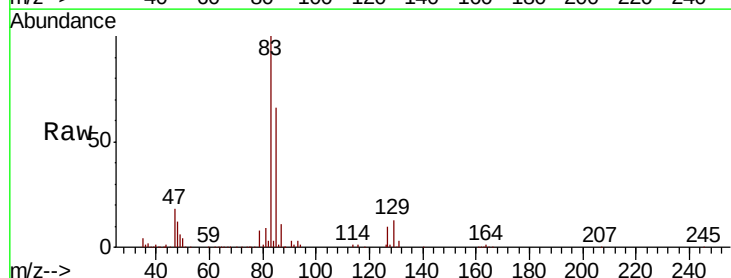
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDCCC005

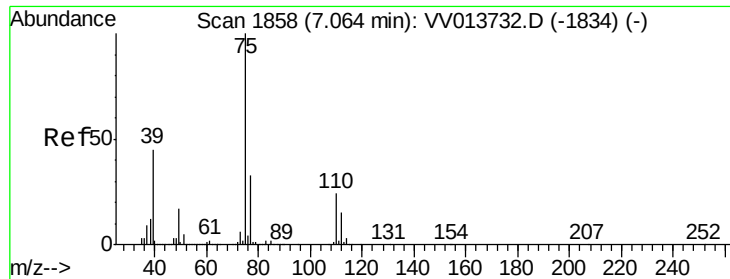
Tot Ion: 63 Resp: 134741
 Ion Ratio Lower Upper
 63 100
 112 5.4 4.4 6.6



#38
 Bromodichloromethane
 Concen: 5.341 ug/L
 RT: 6.55 min Scan# 1698
 Delta R.T. -0.00 min
 Lab File: VV013725.D
 Acq: 22 Nov 2019 09:37

Tgt Ion: 83 Resp: 179440
 Ion Ratio Lower Upper
 83 100
 85 66.1 46.1 85.5
 127 9.5 7.5 11.3





#39

cis-1,3-Dichloropropene

Concen: 5.467 ug/L

RT: 7.06 min Scan# 1858

Delta R.T. -0.00 min

Lab File: VV013725.D

Acq: 22 Nov 2019 09:37

Instrument :

MSVOA_V

ClientSampleId :

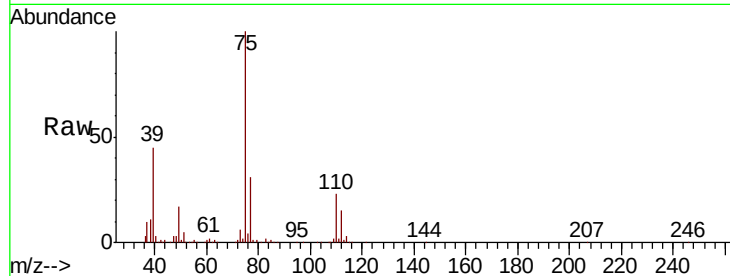
VSTDCCC005

Tot Ion: 75 Resp: 197507

Ion Ratio Lower Upper

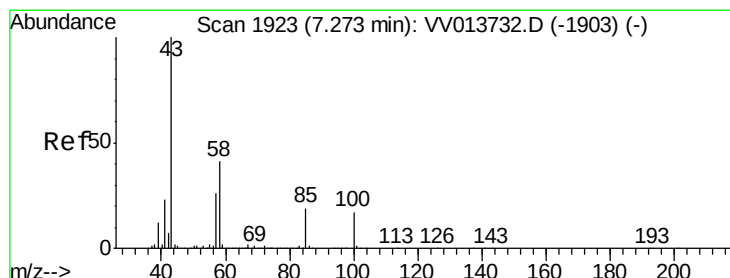
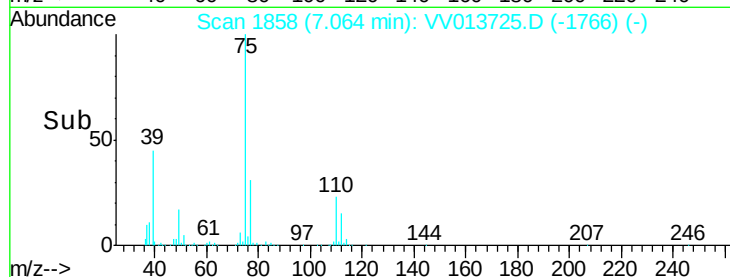
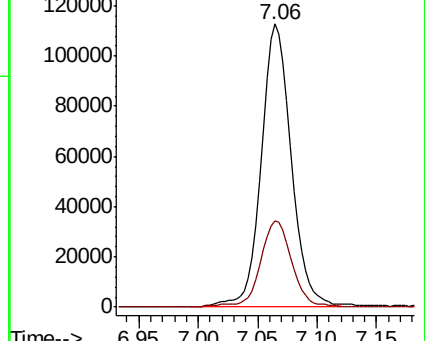
75 100

77 30.6 22.5 41.9



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0



#40

4-Methyl-2-pentanone

Concen: 53.590 ug/L

RT: 7.27 min Scan# 1922

Delta R.T. -0.00 min

Lab File: VV013725.D

Acq: 22 Nov 2019 09:37

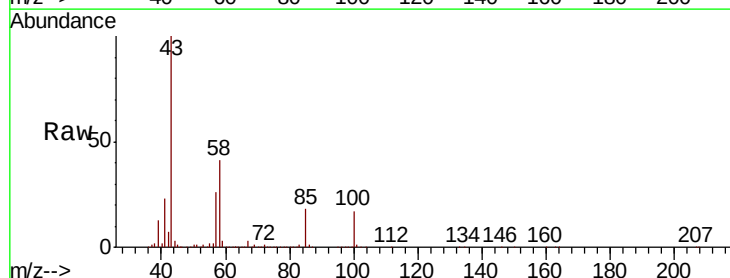
Tgt Ion: 43 Resp: 796149

Ion Ratio Lower Upper

43 100

58 39.4 32.3 48.5

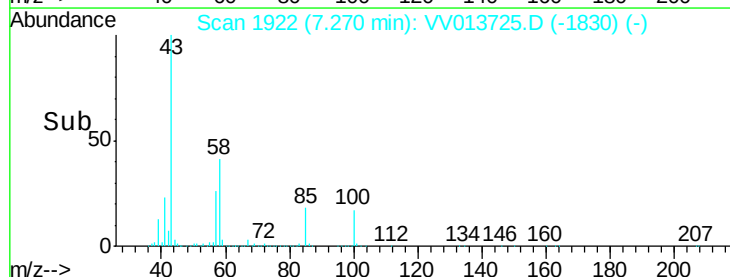
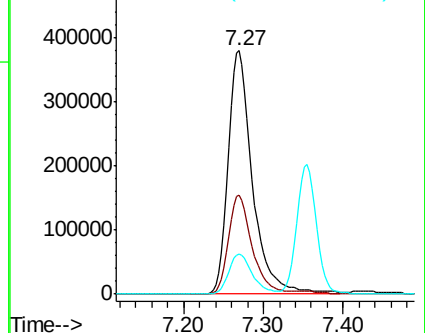
100 16.1 12.7 19.1

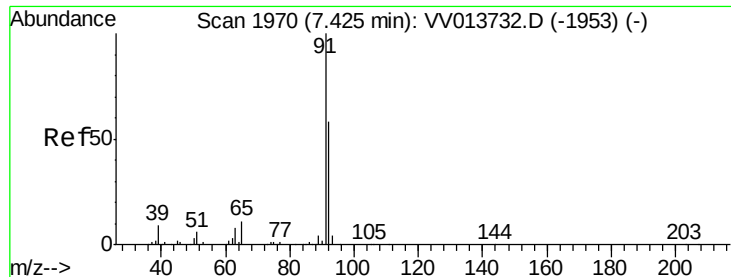


Abundance Ion 43.05 (42.75 to 43.75): VV0

Ion 58.05 (57.75 to 58.75): VV0

Ion 100.15 (99.85 to 100.85): VV0





#42

Toluene

Concen: 5.739 ug/L

RT: 7.43 min Scan# 1971

Delta R.T. 0.00 min

Lab File: VV013725.D

Acq: 22 Nov 2019 09:37

Instrument :

MSVOA_V

ClientSampleId :

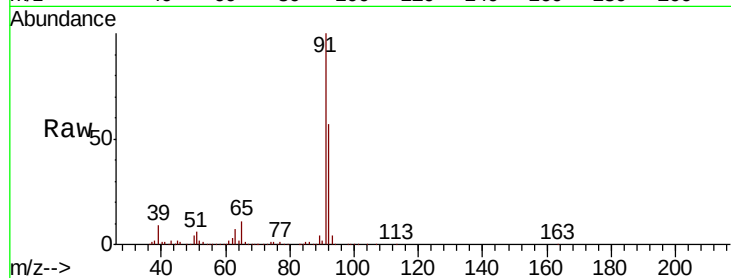
VSTDCCC005

Tot Ion: 91 Resp: 609818

Ion Ratio Lower Upper

91 100

92 57.4 41.1 76.3



Abundance Ion 91.15 (90.85 to 91.85): VV0

Ion 92.15 (91.85 to 92.85): VV0

7.43

400000

300000

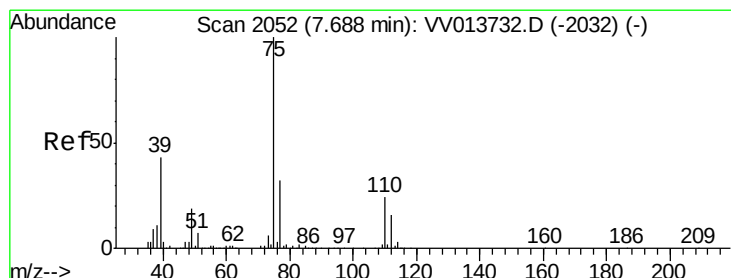
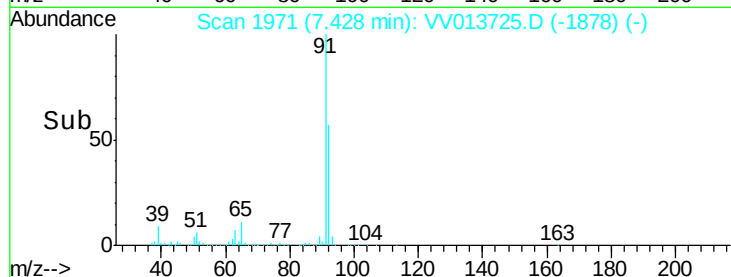
200000

100000

0

Time-->

7.35 7.40 7.45 7.50



#44

trans-1,3-Dichloropropene

Concen: 5.487 ug/L

RT: 7.69 min Scan# 2052

Delta R.T. -0.00 min

Lab File: VV013725.D

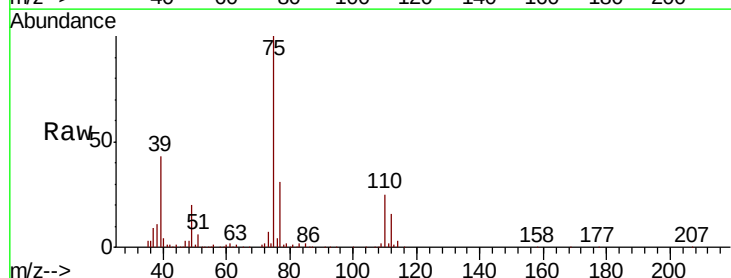
Acq: 22 Nov 2019 09:37

Tgt Ion: 75 Resp: 155176

Ion Ratio Lower Upper

75 100

77 30.6 23.0 42.8



Abundance Ion 75.05 (74.75 to 75.75): VV0

Ion 77.05 (76.75 to 77.75): VV0

7.69

100000

80000

60000

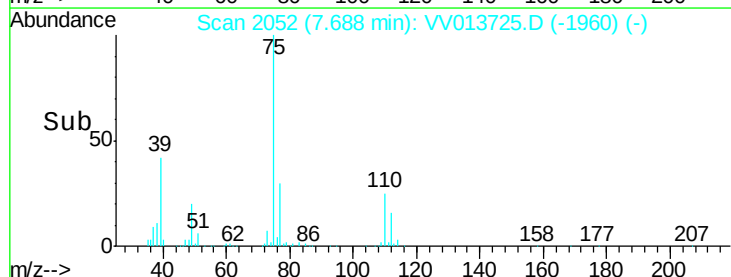
40000

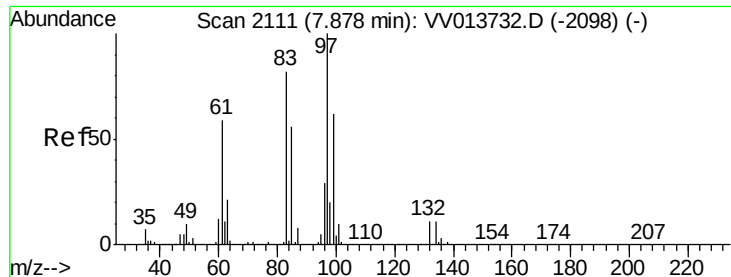
20000

0

Time-->

7.60 7.65 7.70 7.75

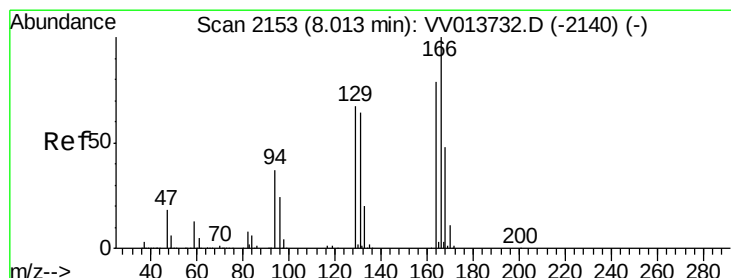
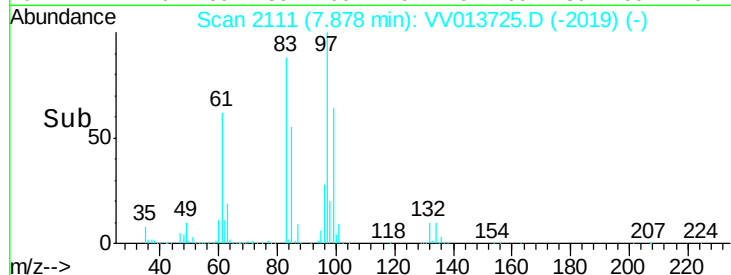
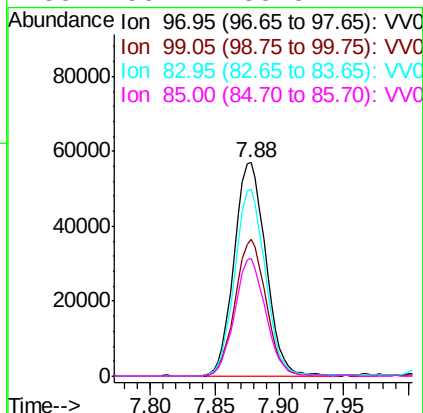
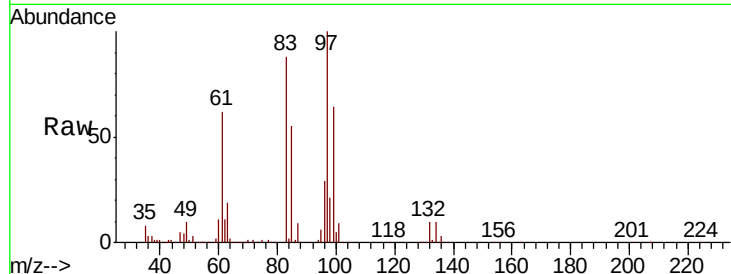




#45
 1,1,2-Trichloroethane
 Concen: 5.411 ug/L
 RT: 7.88 min Scan# 2111
 Delta R.T. -0.00 min
 Lab File: VV013725.D
 Acq: 22 Nov 2019 09:37

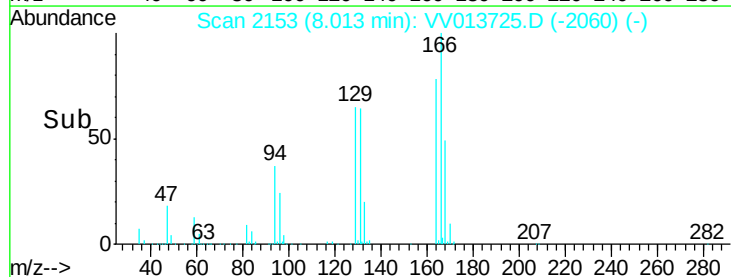
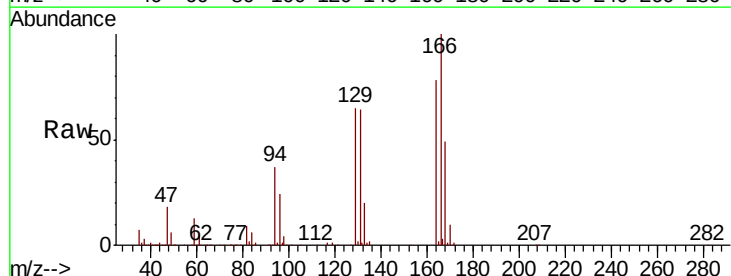
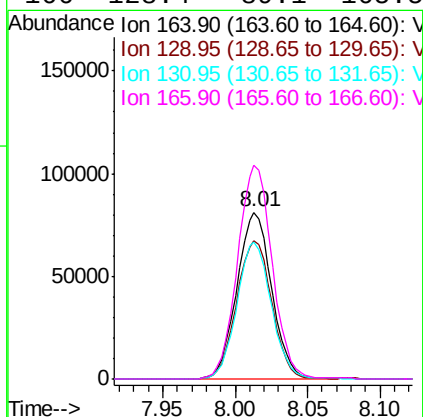
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDCCC005

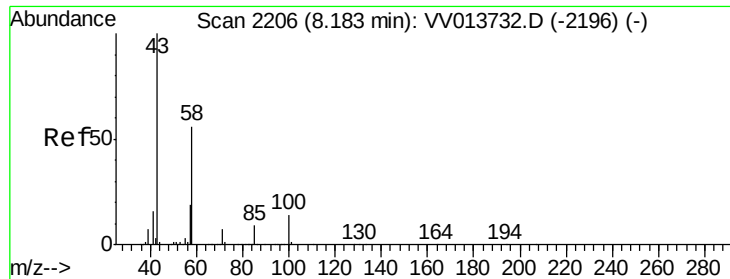
Tot Ion: 97 Resp: 98182
 Ion Ratio Lower Upper
 97 100
 99 63.9 44.2 82.0
 83 87.8 59.7 110.9
 85 55.2 38.3 71.1



#47
 Tetrachloroethene
 Concen: 5.721 ug/L
 RT: 8.01 min Scan# 2153
 Delta R.T. 0.00 min
 Lab File: VV013725.D
 Acq: 22 Nov 2019 09:37

Tgt Ion: 164 Resp: 135755
 Ion Ratio Lower Upper
 164 100
 129 83.4 60.3 112.1
 131 82.3 59.9 111.3
 166 128.4 89.1 165.5

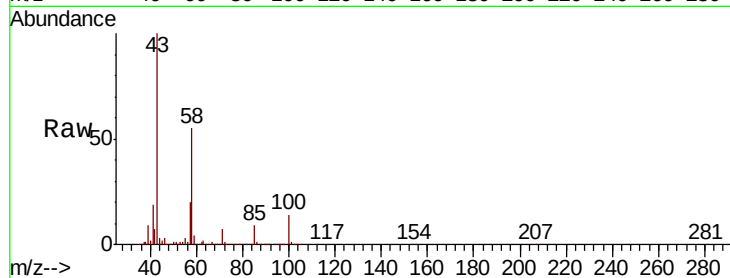




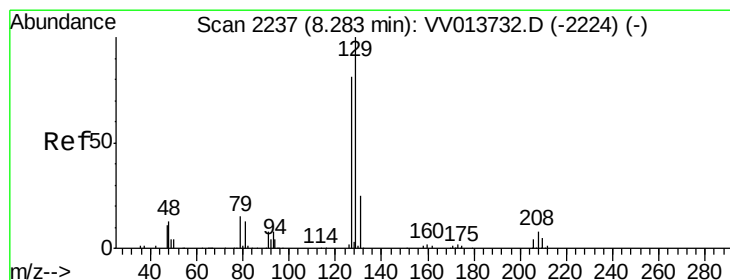
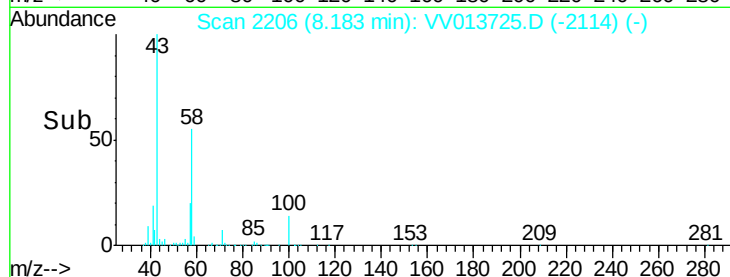
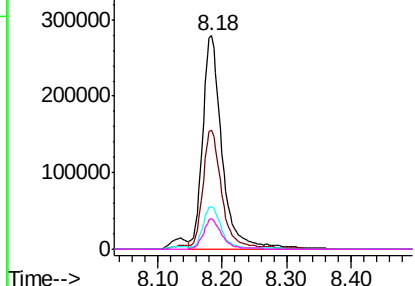
#48
2-Hexanone
Concen: 54.895 ug/L
RT: 8.18 min Scan# 2206
Delta R.T. -0.00 min
Lab File: VV013725.D
Acq: 22 Nov 2019 09:37

Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC005

Tot Ion:	43	Resp:	582122
Ion	Ratio	Lower	Upper
43	100		
58	55.3	43.2	64.8
57	18.9	15.4	23.2
100	13.3	10.4	15.6

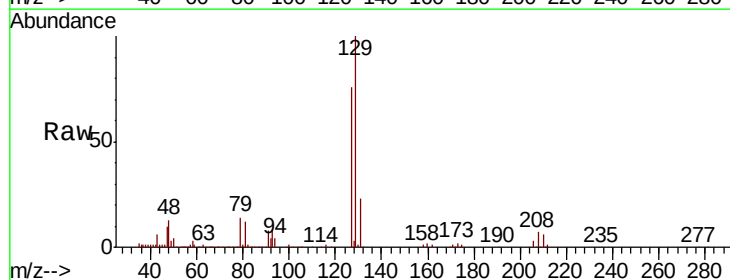


Abundance Ion 43.05 (42.75 to 43.75): VV013725.D (-2114) (-)
Ion 58.05 (57.75 to 58.75): VV013725.D (-2114) (-)
Ion 57.20 (56.90 to 57.90): VV013725.D (-2114) (-)
Ion 100.15 (99.85 to 100.85): VV013725.D (-2114) (-)

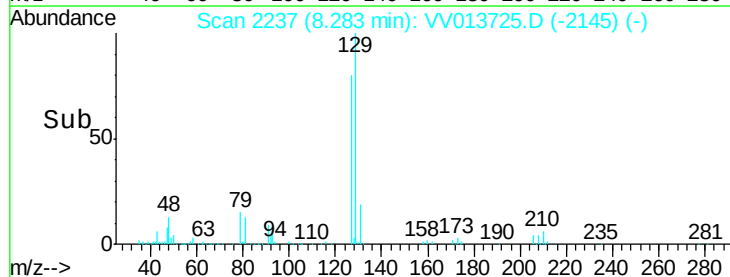
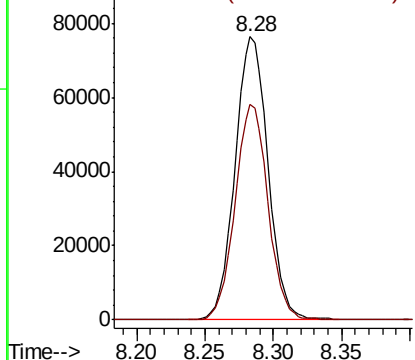


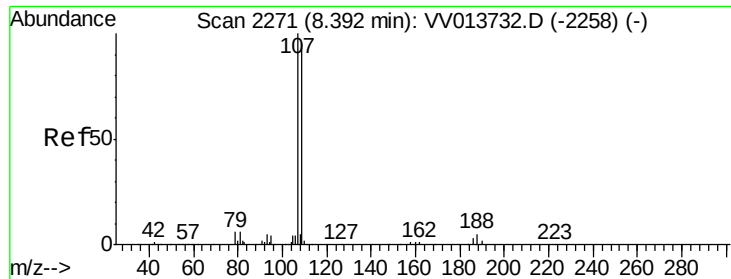
#49
Dibromochloromethane
Concen: 5.496 ug/L
RT: 8.28 min Scan# 2237
Delta R.T. -0.00 min
Lab File: VV013725.D
Acq: 22 Nov 2019 09:37

Tgt Ion:	129	Resp:	127905
Ion	Ratio	Lower	Upper
129	100		
127	76.1	55.7	103.5



Abundance Ion 128.95 (128.65 to 129.65): VV013725.D (-2145) (-)
Ion 126.90 (126.60 to 127.60): VV013725.D (-2145) (-)





#50

1,2-Dibromoethane

Concen: 5.428 ug/L

RT: 8.39 min Scan# 2270

Delta R.T. -0.00 min

Lab File: VV013725.D

Acq: 22 Nov 2019 09:37

Instrument :

MSVOA_V

ClientSampleId :

VSTDCCC005

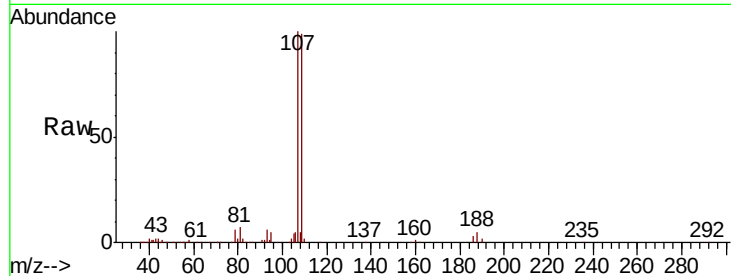
Tot Ion:107 Resp: 89187

Ion Ratio Lower Upper

107 100

109 99.4 65.2 121.0

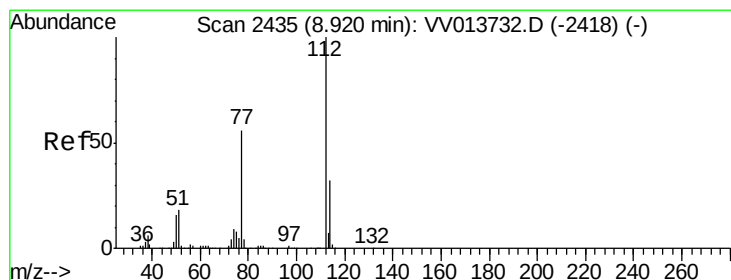
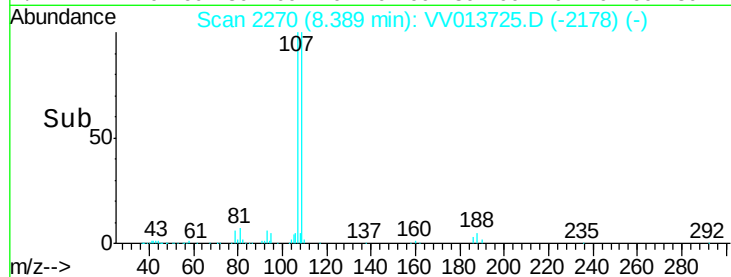
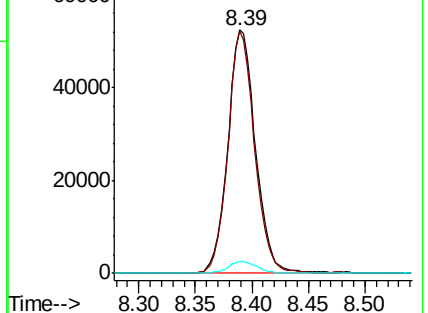
188 4.8 4.2 6.2



Abundance Ion 106.95 (106.65 to 107.65): V

Ion 109.00 (108.70 to 109.70): V

Ion 187.90 (187.60 to 188.60): V



#51

Chlorobenzene

Concen: 5.441 ug/L

RT: 8.92 min Scan# 2435

Delta R.T. 0.00 min

Lab File: VV013725.D

Acq: 22 Nov 2019 09:37

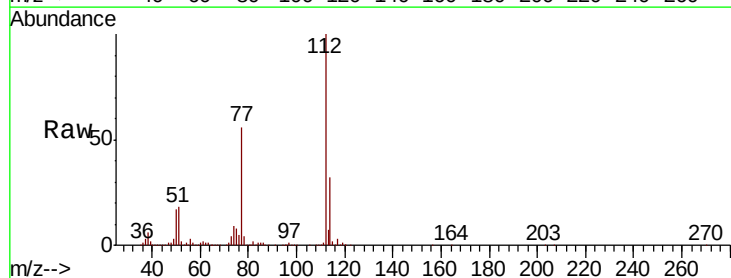
Tgt Ion:112 Resp: 402258

Ion Ratio Lower Upper

112 100

114 31.9 21.8 40.6

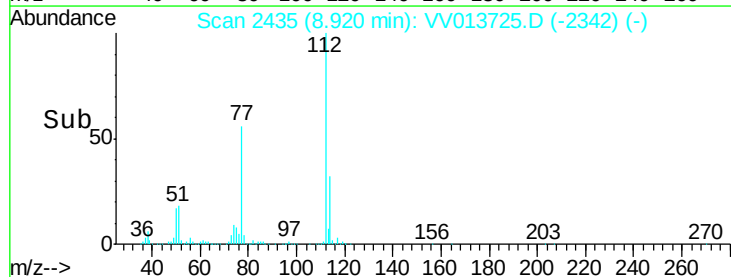
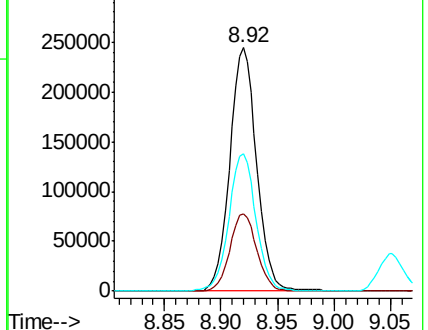
77 56.4 44.2 66.4

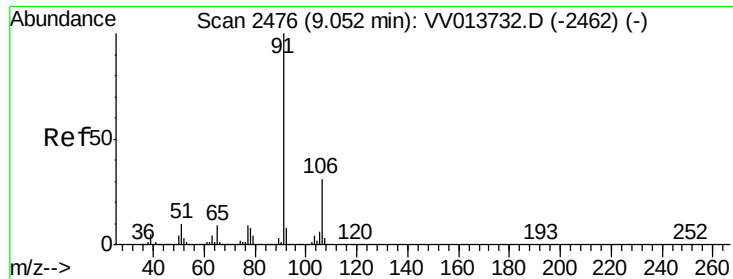


Abundance Ion 112.10 (111.80 to 112.80): V

Ion 114.05 (113.75 to 114.75): V

Ion 77.10 (76.80 to 77.80): VV0

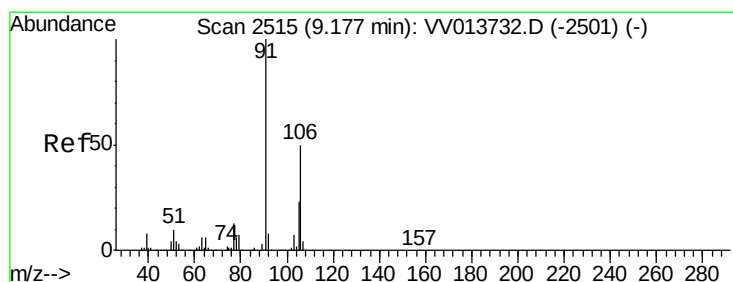
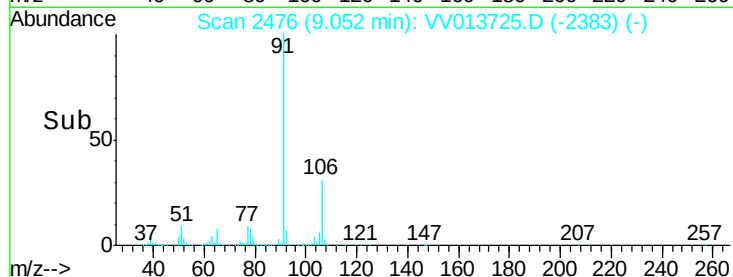
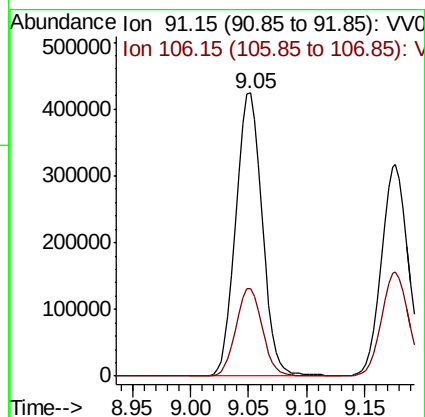
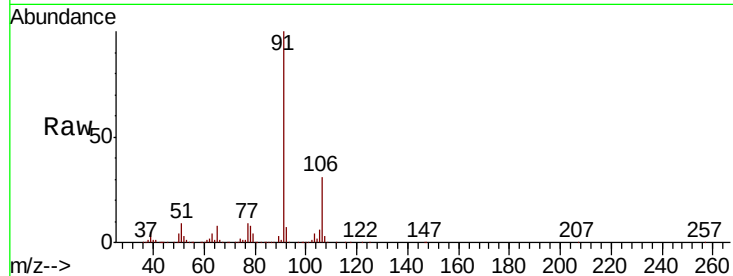




#52
Ethylbenzene
Concen: 5.784 ug/L
RT: 9.05 min Scan# 2476
Delta R.T. 0.00 min
Lab File: VV013725.D
Acq: 22 Nov 2019 09:37

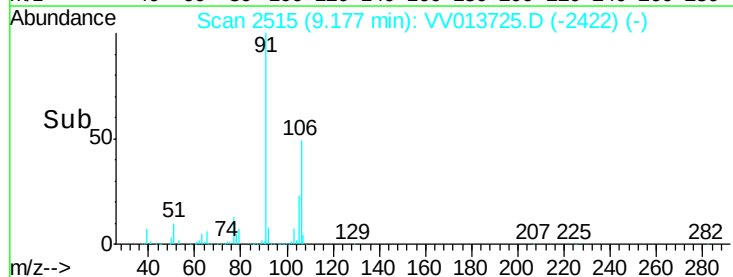
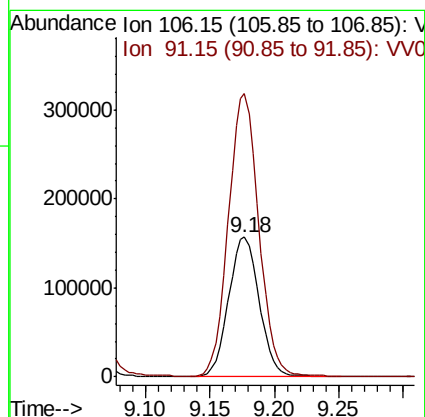
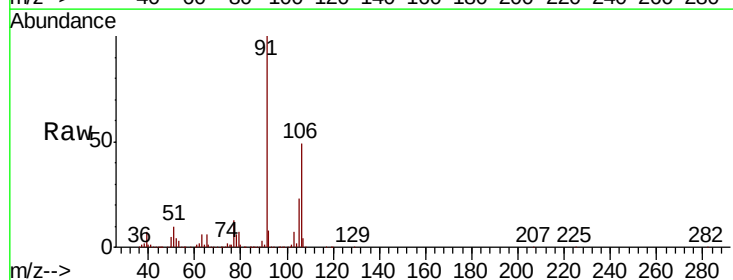
Instrument :
MSVOA_V
ClientSampleId :
VSTDCCC005

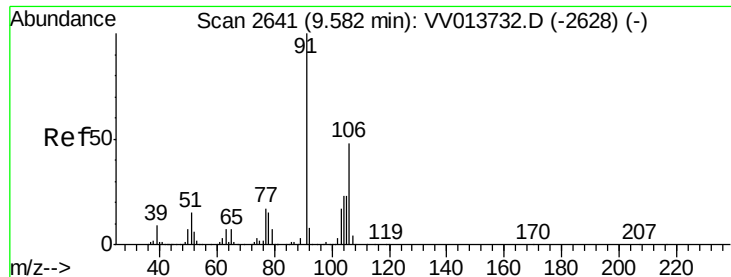
Tot Ion: 91 Resp: 667652
Ion Ratio Lower Upper
91 100
106 31.0 22.1 41.1



#53
m,p-xylene
Concen: 5.841 ug/L
RT: 9.18 min Scan# 2515
Delta R.T. 0.00 min
Lab File: VV013725.D
Acq: 22 Nov 2019 09:37

Tgt Ion: 106 Resp: 257048
Ion Ratio Lower Upper
106 100
91 202.7 139.9 259.9





#54

o-xylene

Concen: 5.798 ug/L

RT: 9.58 min Scan# 2641

Delta R.T. 0.00 min

Lab File: VV013725.D

Acq: 22 Nov 2019 09:37

Instrument :

MSVOA_V

ClientSampleId :

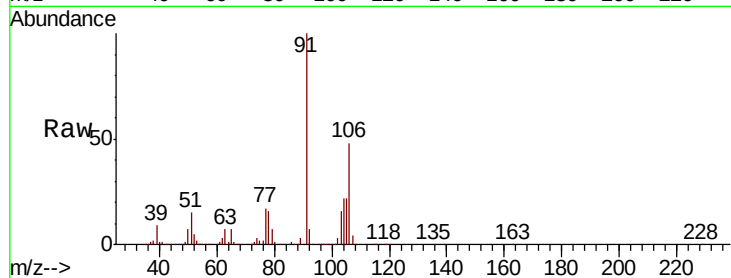
VSTDCCC005

Tot Ion:106 Resp: 249081

Ion Ratio Lower Upper

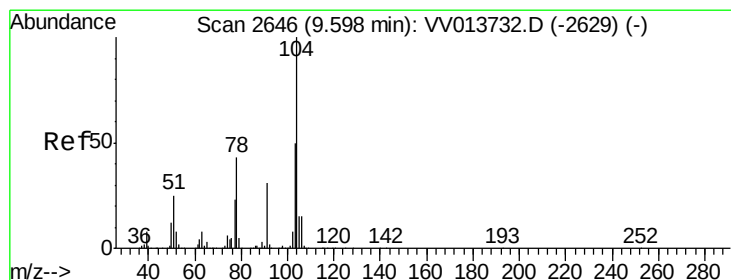
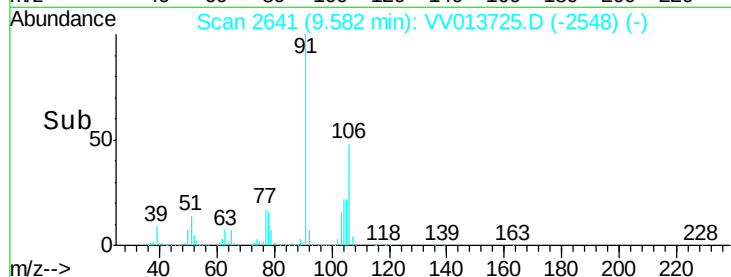
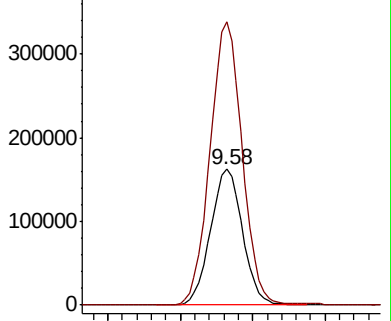
106 100

91 208.8 145.5 270.3



Abundance Ion 106.15 (105.85 to 106.85): V

Ion 91.15 (90.85 to 91.85): VV0



#55

Styrene

Concen: 5.885 ug/L

RT: 9.60 min Scan# 2646

Delta R.T. 0.00 min

Lab File: VV013725.D

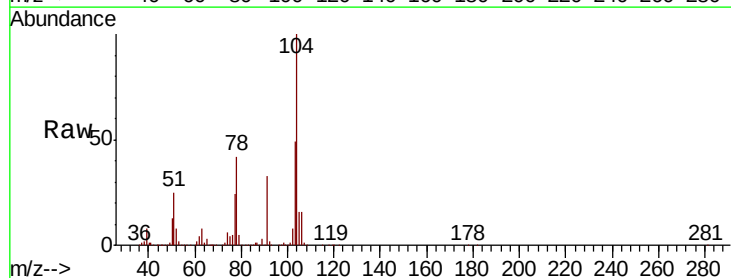
Acq: 22 Nov 2019 09:37

Tgt Ion:104 Resp: 436520

Ion Ratio Lower Upper

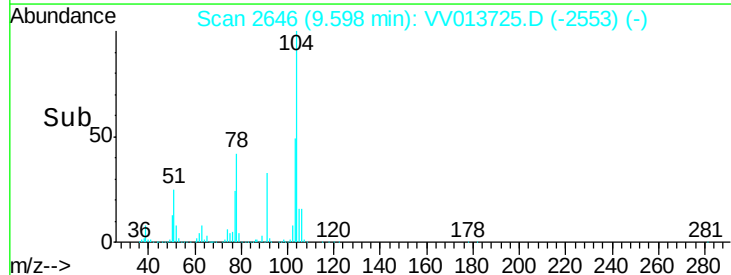
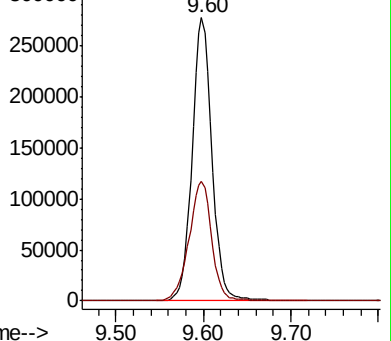
104 100

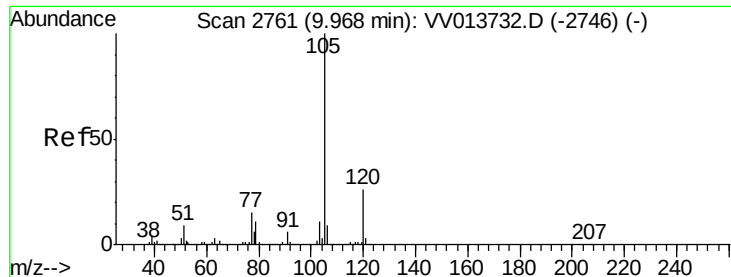
78 42.1 31.0 57.6



Abundance Ion 104.10 (103.80 to 104.80): V

Ion 78.10 (77.80 to 78.80): VV0





#56

Isopropylbenzene

Concen: 5.807 ug/L

RT: 9.97 min Scan# 2761

Delta R.T. -0.00 min

Lab File: VV013725.D

Acq: 22 Nov 2019 09:37

Instrument :

MSVOA_V

ClientSampleId :

VSTDCCC005

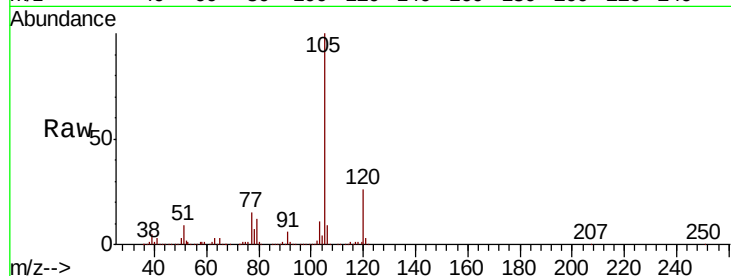
Tot Ion:105 Resp: 679928

Ion Ratio Lower Upper

105 100

120 26.4 21.3 31.9

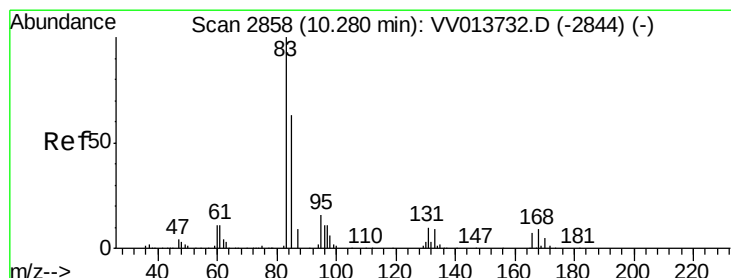
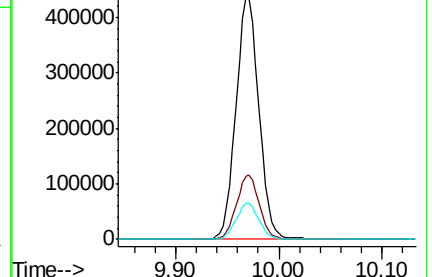
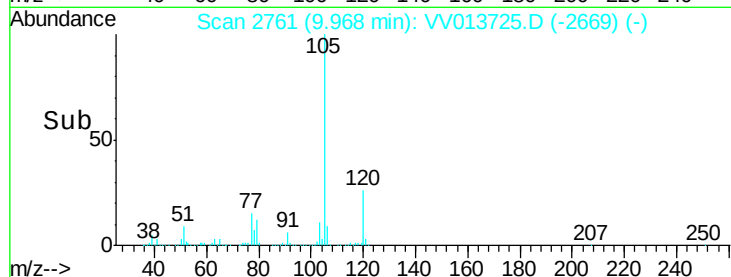
77 14.8 12.1 18.1



Abundance Ion 105.05 (104.75 to 105.75): VV013725.D (-2669) (-)

Ion 120.10 (119.80 to 120.80): VV013725.D (-2669) (-)

Ion 77.10 (76.80 to 77.80): VV013725.D (-2669) (-)



#58

1,1,2,2-Tetrachloroethane

Concen: 5.247 ug/L

RT: 10.28 min Scan# 2858

Delta R.T. -0.00 min

Lab File: VV013725.D

Acq: 22 Nov 2019 09:37

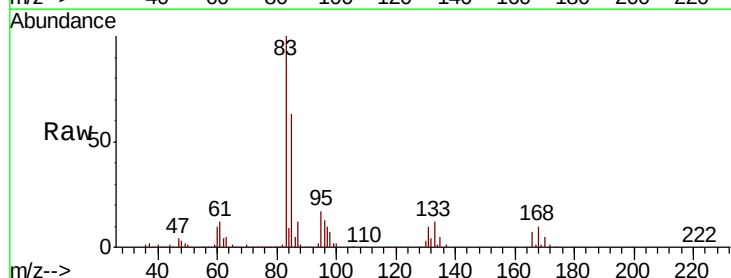
Tgt Ion: 83 Resp: 104604

Ion Ratio Lower Upper

83 100

85 63.4 45.1 83.7

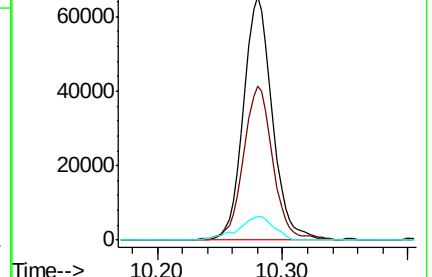
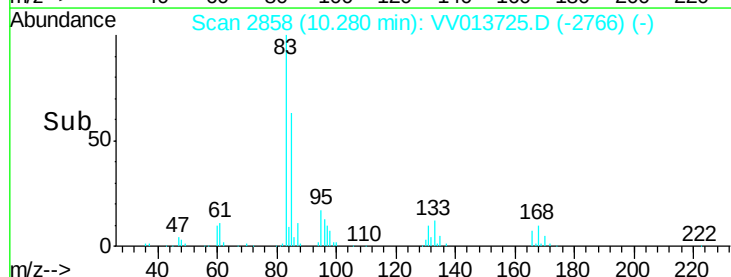
131 9.7 9.3 13.9

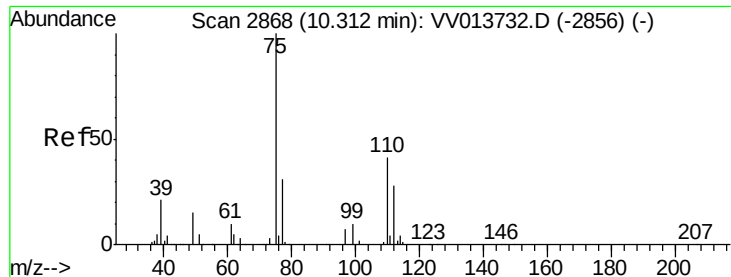


Abundance Ion 82.95 (82.65 to 83.65): VV013725.D (-2766) (-)

Ion 85.00 (84.70 to 85.70): VV013725.D (-2766) (-)

Ion 130.95 (130.65 to 131.65): VV013725.D (-2766) (-)

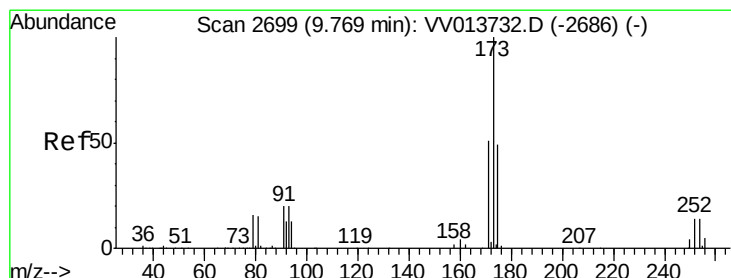
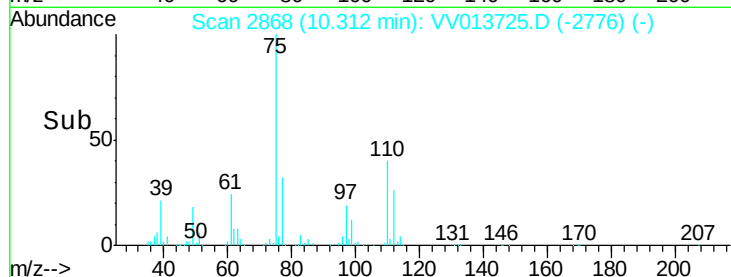
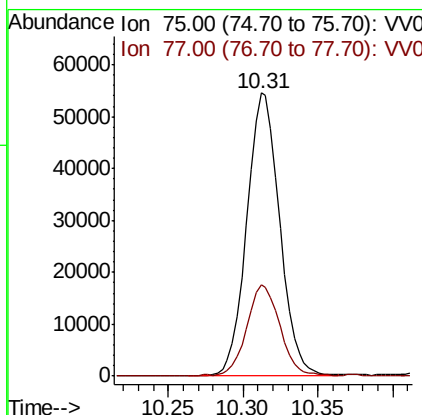
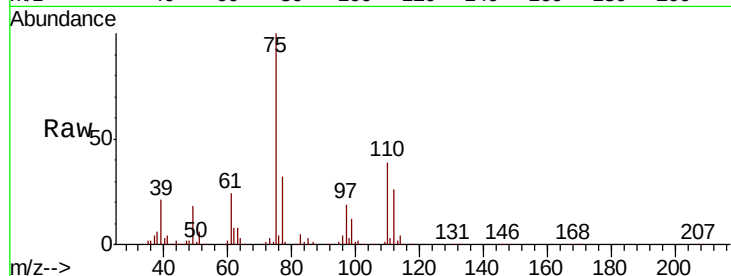




#59
 1,2,3-Trichloropropane
 Concen: 5.360 ug/L
 RT: 10.31 min Scan# 2868
 Delta R.T. -0.00 min
 Lab File: VV013725.D
 Acq: 22 Nov 2019 09:37

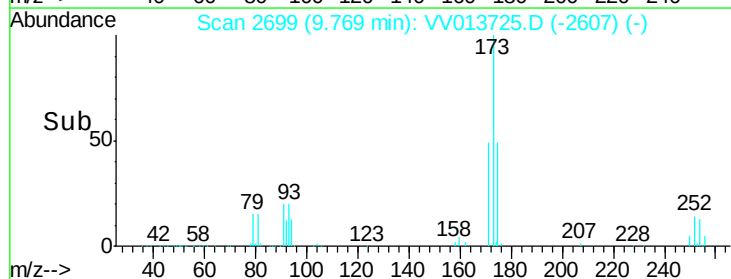
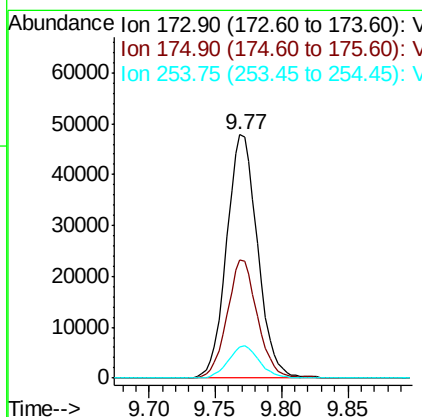
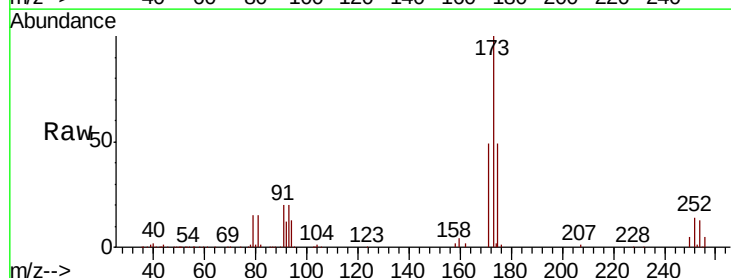
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDCCC005

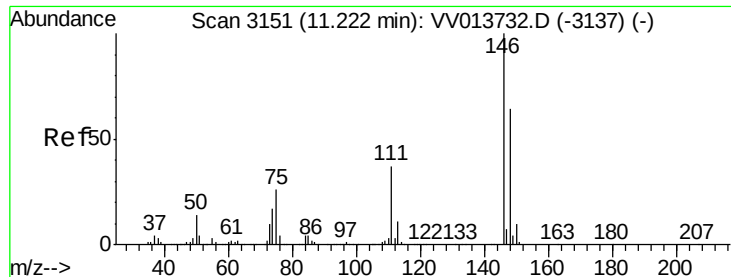
Tot Ion: 75 Resp: 83776
 Ion Ratio Lower Upper
 75 100
 77 32.8 25.7 38.5



#61
 Bromoform
 Concen: 5.558 ug/L
 RT: 9.77 min Scan# 2699
 Delta R.T. -0.00 min
 Lab File: VV013725.D
 Acq: 22 Nov 2019 09:37

Tgt Ion: 173 Resp: 77547
 Ion Ratio Lower Upper
 173 100
 175 47.4 39.1 58.7
 254 13.2 10.4 15.6

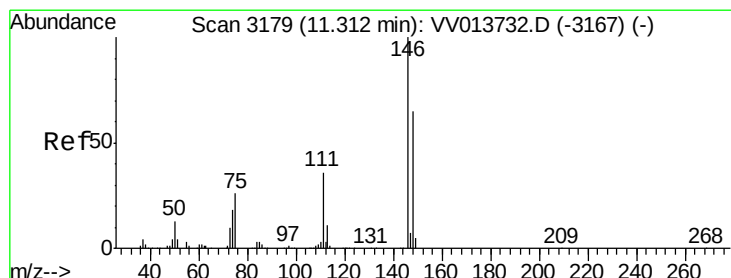
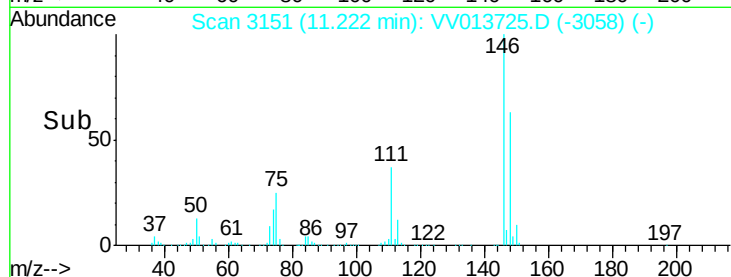
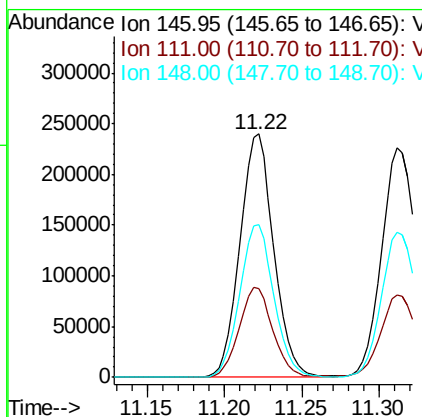
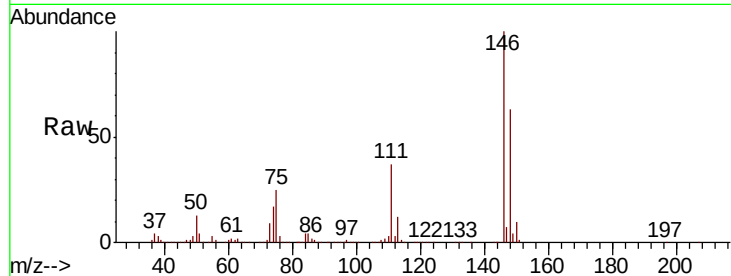




#62
 1,3-Dichlorobenzene
 Concen: 5.666 ug/L
 RT: 11.22 min Scan# 3151
 Delta R.T. 0.00 min
 Lab File: VV013725.D
 Acq: 22 Nov 2019 09:37

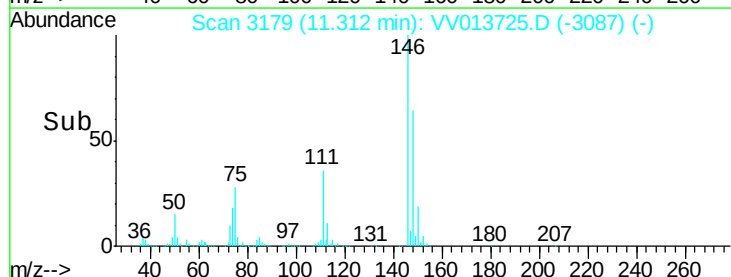
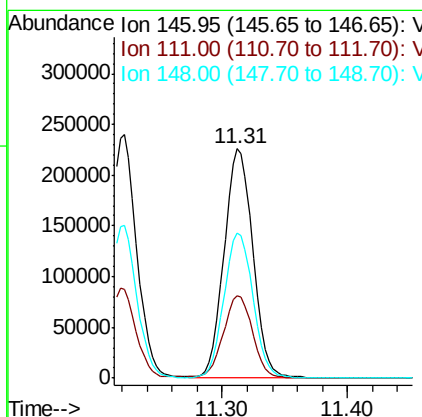
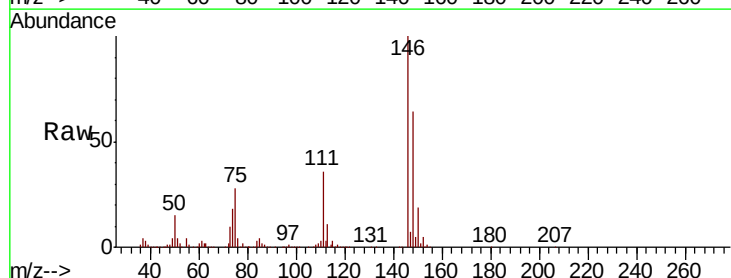
Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDCCC005

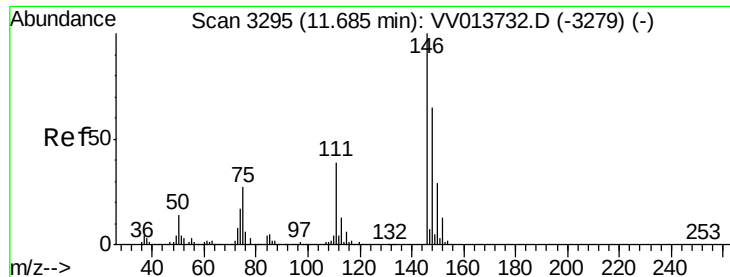
Tot Ion:146 Resp: 364944
 Ion Ratio Lower Upper
 146 100
 111 36.6 25.6 47.6
 148 62.8 44.7 82.9



#63
 1,4-Dichlorobenzene
 Concen: 5.463 ug/L
 RT: 11.31 min Scan# 3179
 Delta R.T. -0.00 min
 Lab File: VV013725.D
 Acq: 22 Nov 2019 09:37

Tgt Ion:146 Resp: 358146
 Ion Ratio Lower Upper
 146 100
 111 36.2 25.0 46.4
 148 63.5 45.4 84.2

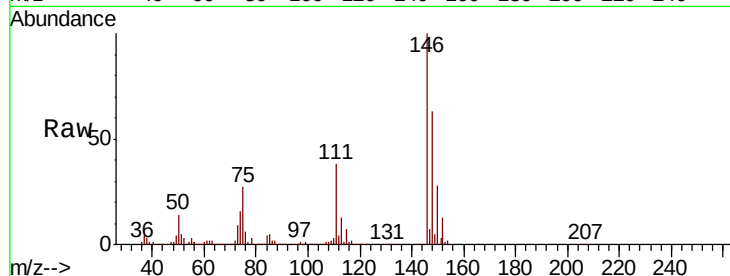




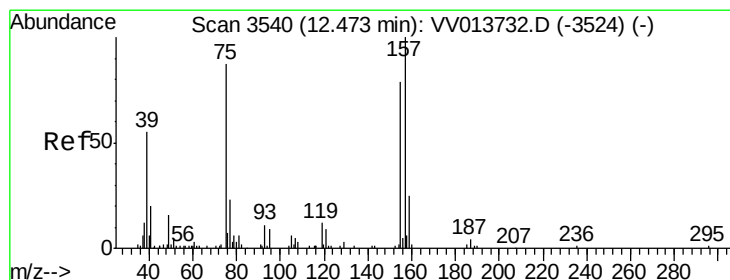
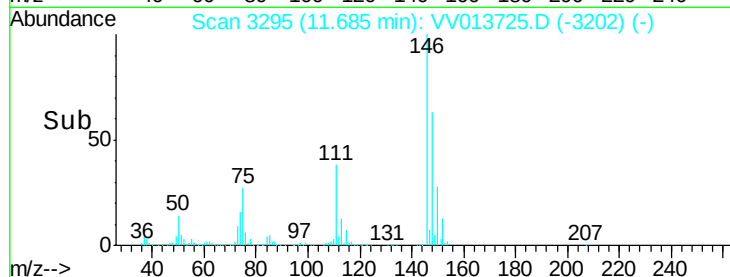
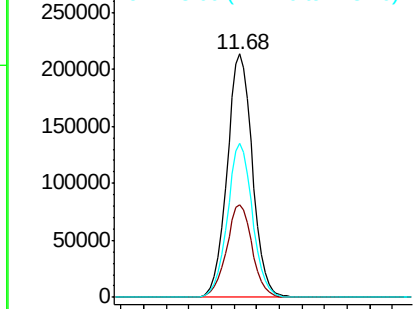
#65
 1,2-Dichlorobenzene
 Concen: 5.536 ug/L
 RT: 11.68 min Scan# 3295
 Delta R.T. 0.00 min
 Lab File: VV013725.D
 Acq: 22 Nov 2019 09:37

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDCCC005

Tot Ion	Ratio	Lower	Upper
146	100		
111	38.3	31.3	46.9
148	63.2	52.2	78.2

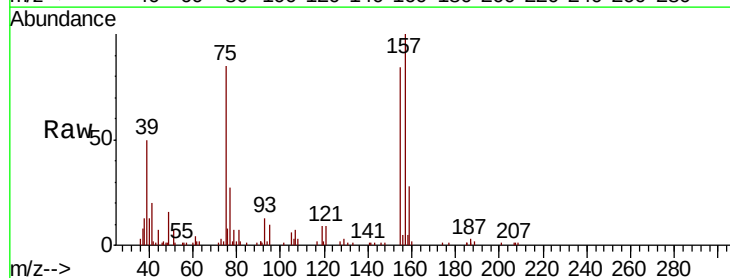


Abundance Ion 145.95 (145.65 to 146.65): V
 Ion 111.00 (110.70 to 111.70): V
 Ion 148.00 (147.70 to 148.70): V

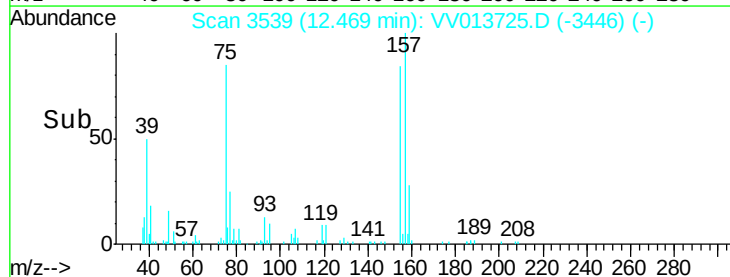
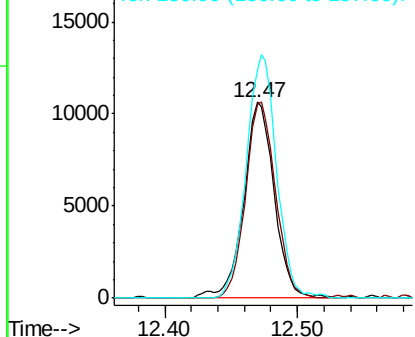


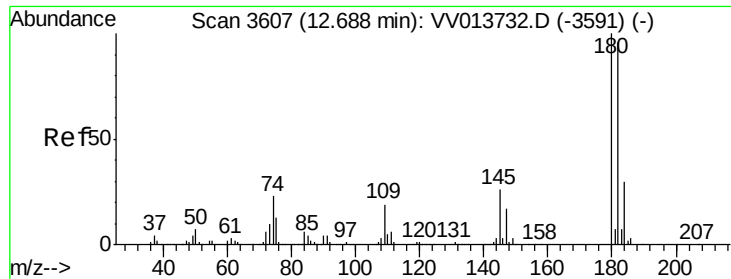
#66
 1,2-Dibromo-3-chloropropane
 Concen: 4.906 ug/L
 RT: 12.47 min Scan# 3539
 Delta R.T. 0.00 min
 Lab File: VV013725.D
 Acq: 22 Nov 2019 09:37

Tgt Ion	Ratio	Lower	Upper
75	100		
155	98.8	73.4	110.0
157	117.0	98.7	148.1



Abundance Ion 75.05 (74.75 to 75.75): VV0
 Ion 154.95 (154.65 to 155.65): V
 Ion 156.90 (156.60 to 157.60): V

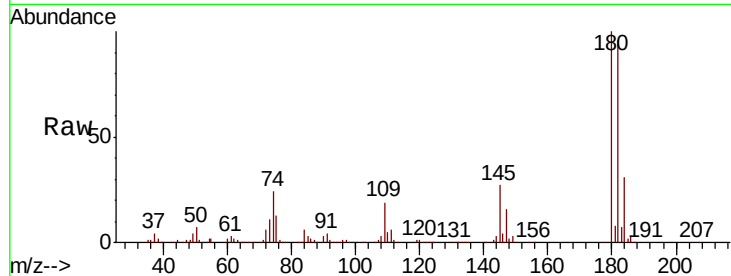




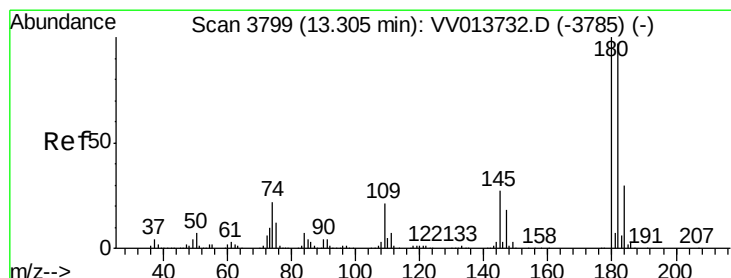
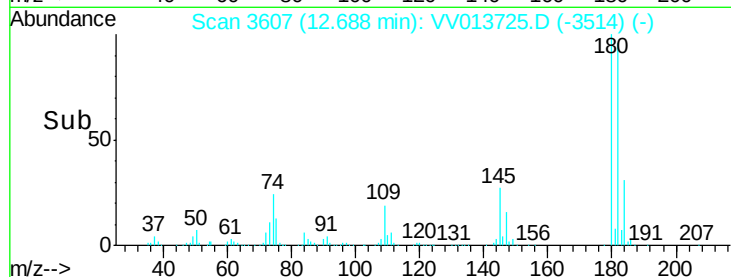
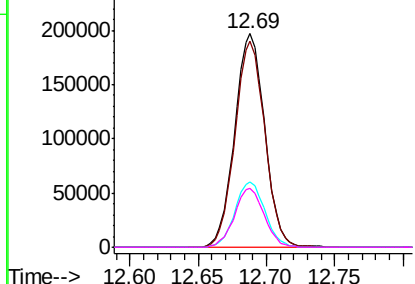
#67
 1,3,5-Trichlorobenzene
 Concen: 5.536 ug/L
 RT: 12.69 min Scan# 3607
 Delta R.T. 0.00 min
 Lab File: VV013725.D
 Acq: 22 Nov 2019 09:37

Instrument :
 MSVOA_V
 ClientSampleId :
 VSTDCCC005

Tot Ion:180	Resp:	301192
Ion	Ratio	Lower Upper
180	100	
182	96.0	74.8 112.2
184	30.8	23.2 34.8
145	27.2	21.3 31.9

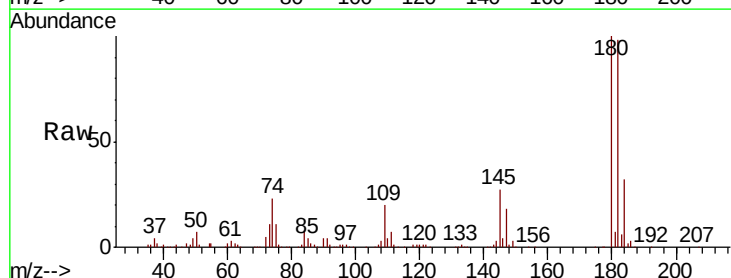


Abundance Ion 180.00 (179.70 to 180.70): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 184.00 (183.70 to 184.70): V
 Ion 145.00 (144.70 to 145.70): V

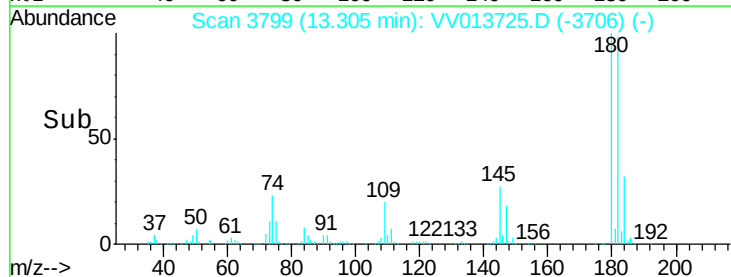
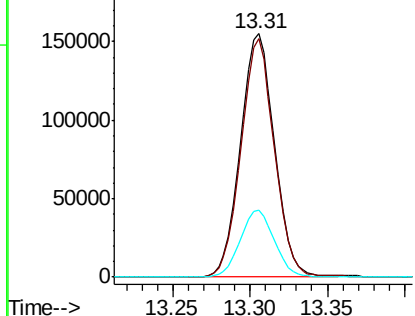


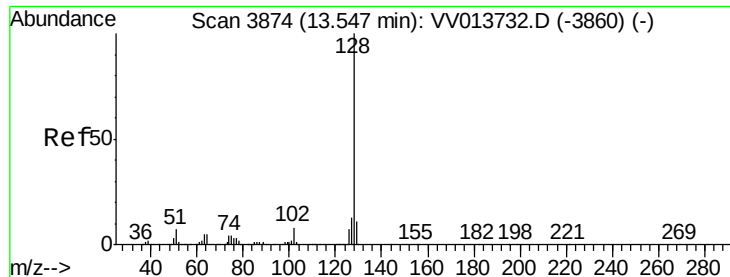
#68
 1,2,4-trichlorobenzene
 Concen: 5.329 ug/L
 RT: 13.31 min Scan# 3799
 Delta R.T. 0.00 min
 Lab File: VV013725.D
 Acq: 22 Nov 2019 09:37

Tgt Ion:180	Resp:	237791
Ion	Ratio	Lower Upper
180	100	
182	96.1	76.2 114.4
145	27.6	21.0 31.6



Abundance Ion 179.90 (179.60 to 180.60): V
 Ion 182.00 (181.70 to 182.70): V
 Ion 144.95 (144.65 to 145.65): V





#69

Naphthalene

Concen: 4.916 ug/L

RT: 13.55 min Scan# 3874

Delta R.T. 0.00 min

Lab File: VV013725.D

Acq: 22 Nov 2019 09:37

Instrument :

MSVOA_V

ClientSampleId :

VSTDCCC005

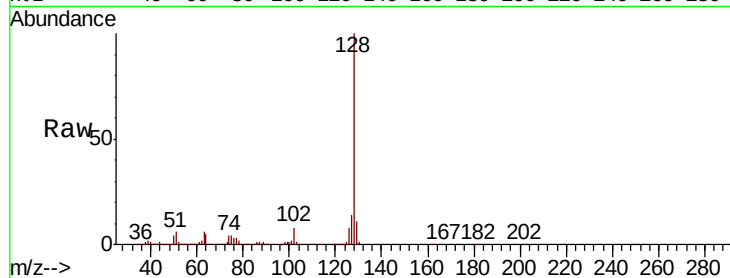
Tot Ion:128 Resp: 298684

Ion Ratio Lower Upper

128 100

129 10.7 8.6 12.8

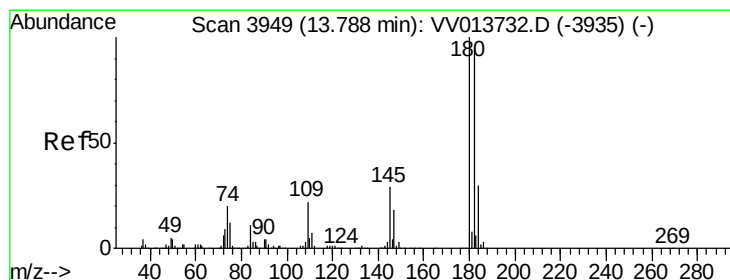
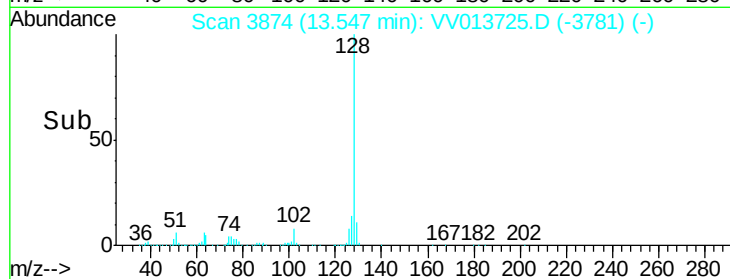
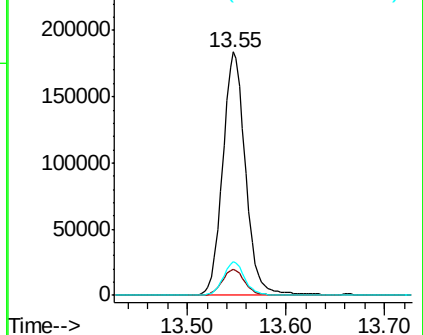
127 13.0 10.6 16.0



Abundance Ion 128.00 (127.70 to 128.70): V

Ion 129.00 (128.70 to 129.70): V

Ion 127.00 (126.70 to 127.70): V



#70

1,2,3-Trichlorobenzene

Concen: 5.290 ug/L

RT: 13.79 min Scan# 3949

Delta R.T. 0.00 min

Lab File: VV013725.D

Acq: 22 Nov 2019 09:37

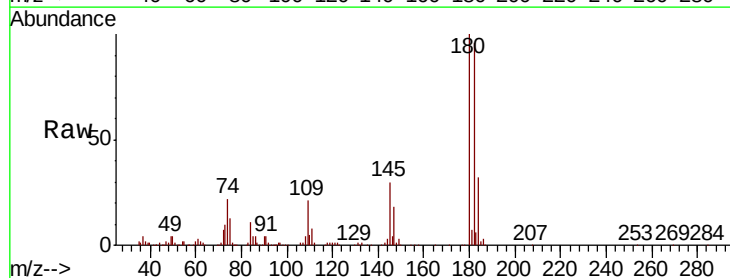
Tgt Ion:180 Resp: 215040

Ion Ratio Lower Upper

180 100

182 96.2 78.5 117.7

145 29.8 23.8 35.8



Abundance Ion 179.90 (179.60 to 180.60): V

Ion 181.90 (181.60 to 182.60): V

Ion 144.95 (144.65 to 145.65): V

